TC-WR87ES/WR775

SERVICE MANUAL

US Model Canadian Model TC-WR775

US Model

TC-WR87ES



Photo: TC-WR87ES

SPECIFICATIONS

4-track 2-channel stereo

Fast winding time Approx. 90 sec. (with Sony C-60 cassette)

Signal-to-noise ratio (at peak level)

Dolby NR switch Cassette	OFF	B-Type ON	C-Type ON
Type IV	58 dB (WR775)	66 dB (WR775)	73 dB (WR775)
(Sony METAL-SLT)	59 dB (WR87ES)	67 dB (WR87ES)	74 dB (WR87ES)
Type II (Sony UX-S)	57 dB (WR775)	65 dB (WR775)	72 dB (WR775)
	58 dB (WR87ES)	66 dB (WR87ES)	73 dB (WR87ES)
Type I (Sony HF-S)	55 dB (WR775)	63 dB (WR775)	70 dB (WR775)
	56 dB (WR87ES)	64 dB (WR87ES)	71 dB (WR87ES)

Total harmonic distortion 1.0% (with Sony METAL-SLT cassettes)

Frequency response (DOLBY NR OFF)

	,
Type IV cassette (Sony METAL-SLT)	30 - 18,000 Hz (±3 dB, IEC) 30 - 15,000 Hz (±3 dB 0VU(-4 dB)recording]
Type II cassette (Sony UX-S)	30 - 17,000 Hz (±3 dB, IEC)
Type I cassette (Sony HF-S)	30 - 15,000 Hz (±3 dB, IEC)

Wow and flutter

± 0.13% W Peak (IFC) 0.07% WRMS (NAB) ±0.18% W.Peak (DIN)

Inputs

Line inputs	Sensitivity	77.5 mV	
(phono jacks)	Input impedance	47 k ohms	

Model Name Using		TC-WR775		TC-WR720/WR720A	
Similar Mechanism		TC-WR87ES T		TC-WR80ES/WR820A	
Tape Transport Mechanism Type	TC-WR	775	DECK A	, В	TCM-190RB12
	TC-WR	87ES	DECK A	, B	TCM-190RB31

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Г	Li	20	0	

Line outputs (phono jacks)	Rated output level	0.32 V at a load impedance of 47 k ohms	
	Load impedance	Over 10 k ohms	
Headphones (stereo phone jack)	Output level	0.2 mW at a load impedance of 32 ohms (WR775)	
		0-1.25 mW at a load impedance of 32 ohms (WR87ES)	

General

Dimensions

Power requirements Power consumption 120 V AC, 60 Hz

30 W

Approx. 430 × 135 × 300 mm (w/h/d)

(17 × 53/8 × 117/8 inches) including projecting parts and controls

Weight

Approx. 4.9 kg (10 lbs 13 oz) (WR775) Approx. 5.3 kg (11 lbs 11 oz) (WR87ES)

Supplied accessory

Audio connecting cords (2)

Design and specifications subject to change without notice

WR775 : TC-WR775 WR87ES : TC-WR87ES

* Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen.

"DOLBY", the double-D symbol DD and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.





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FEATURES

- The Dolby HX PRO* system which improves the linearity of a tape's high-range response during recording.
- A relay function for long recording and playback.
- Automatic tape type detection during playback and recording.
- Auto-synchro dubbing at normal or high (double) speed.
- AMS and memory play functions which provide easy access to desired selections.
- An easy-to-read digital counter which shows the elapsed recording or playback time for decks A and B.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

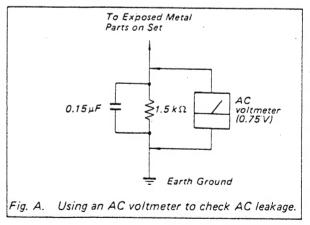
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)



SECTION 1 GENERAL

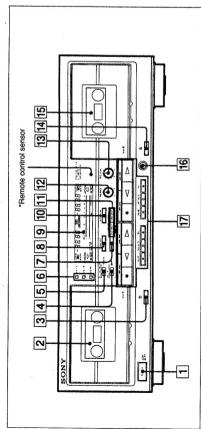
This section is extracted from instruction manual.

> "AMS is an abbreviation for Automatic Music Sensor and cassette deck control capability.

TC-WR775

Identification of Front Panel Parts

TC-WR87ES



For details, refer to the page number indicated in

- 1 POWER switch
- 2 Deck A
- ③ ♣ (eject) button (deck A)
- 4 DD NR (Dotby noise reduction) switch 🛭 🚯 🚯 🚯
 - 5 DIR (direction) MODE switch Ø Ø @ 6 @ 0
- MEMORY button (for decks A and B) (6) COUNTER buttons (0) RESET A button (deck A) RESET B button (deck B)
- 7 A+B REC (simultaneous recording) button 6
- 8 BLANK SKIP button @
- 10 AUTO PAUSE button @ 9 Display panel
- [1] SYNCHRO DUBBING buttons @ HIGH SPEED button NORM (normal) SPEED button
- 12 BALANCE control @
- REC (recording) LEVEL control ® ®
- 14 本 (eject) button (deck B)

2 13 14 15 control sensor 10 127 17 16 9 10 11 12 88 -88.88 24 -88.6 20 19 18 8 5 6 7 2 2 3 4 0 0

For details, refer to the page number indicated in

1 POWER switch

🔞 🖽 NR (Dolby noise reduction) switch 🚱 🕲 🕲 🕲 19 DIR (direction) MODE switch 🕖 🖰 🤀 ₲ ₲ 🗇

[6] PHONES (headphones) jack (stereo phone jack)

◄◄ (leftward fast winding) (AMS**) button

(reverse play) button (forward play) button

17 Tape operation buttons

(stop) button

- 6 BLANK SKIP button 6

►► (rightward fast winding) (AMS**) button
■ PAUSE button
O REC MUTE (record muting) button
● REC (recording) button

(reverse play) button
(forward play) button
(forward play) button
(fightward fast winding) (AMS**) button ▲▲ (leftward fast winding) (AMS**) button

21 Tape operation buttons

(stop) button

20 TIMER switch @ @

O REC MUTE (record muting) button

■ REC (recording) button

II PAUSE button

- 7 AUTO PAUSE button @
- RESET button MEMORY button

— A remote commander that came with a Sony amplifier or receiver if it has the Mark and cassette deck control

capability.

You can remotely control this cassette deck with:

Remote control sensor

Any optional Sony remote commander with the 🖪 mark and cassette deck control capability.

*AMS is an abbreviation for Automatic Music Sensor.

- 12 BALANCE control (

- 15 Deck B
- 16 Headphones LEVEL control 6

0

- 2 Deck A
- 3 = (eject) button (deck A)
- 4 A+8 REC (simultaneous recording) button 6
 - 5 SYNCHRO DUBBING buttons HIGH SPEED button NORM (normal) SPEED button

- 9 COUNTER buttons (deck B) @ MEMORY button RESET button
- 10 Display panel

11 BIAS control (deck B) @

—A remote commander that came with a Sony amplifier or receiver if it has the 🖾 mark and cassette deck control -Any optional Sony remote commander with the 🖾 mark

'Remote control sensor

You can remotely control this cassette deck with:

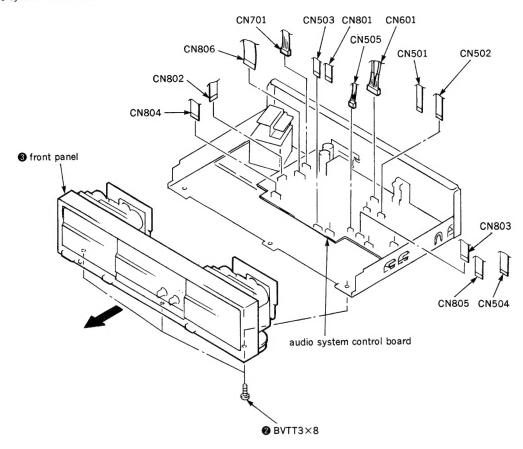
- [17] PHONES (headphones) jack (stereo phone jack) 6

SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

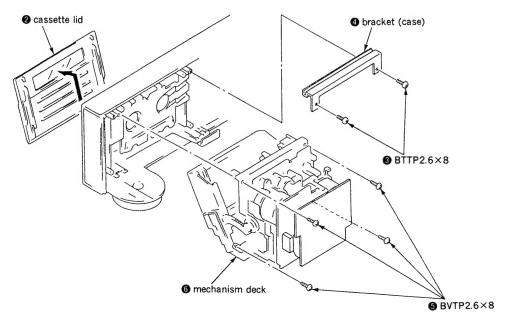
2-1. FRONT PANEL (TC-WR775)

Remove the connector from audio system control board.



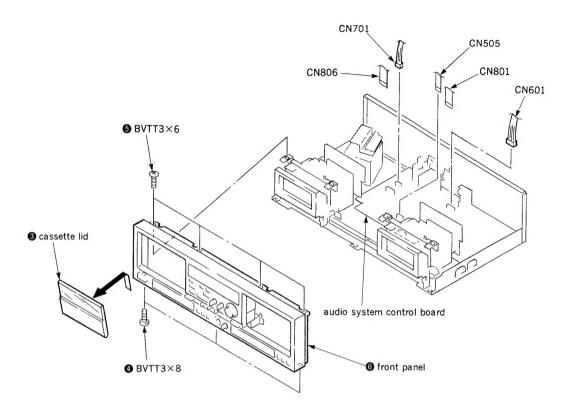
2-2. MECHANISM DECK (TC-WR775)

• Push the EJECT button.

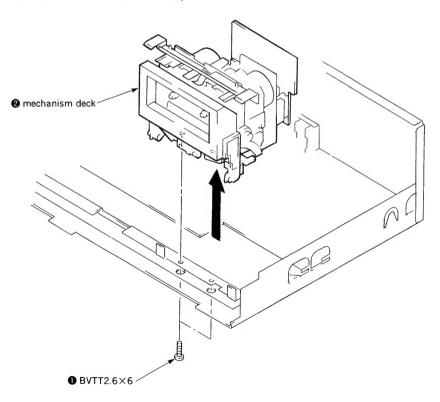


2-3. FRONT PANEL (TC-WR87ES)

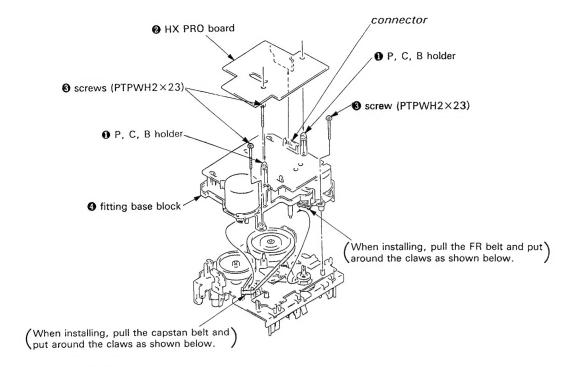
- Remove the connector from audio system control board.
- 2 Push the EJECT button.



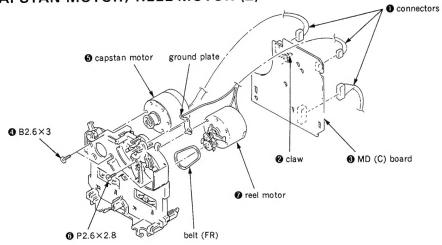
2-4. MECHANISM DECK (TC-WR87ES)



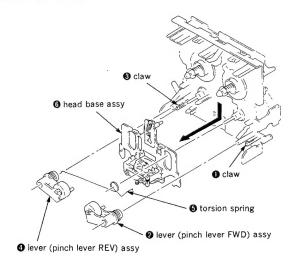
2-5. CAPSTAN MOTOR, REEL MOTOR (1)



2-6. CAPSTAN MOTOR, REEL MOTOR (2)



2-7. HEAD, PINCH ROLLER



SECTION 3 MECHANICAL ADJUSTMENTS

PRECAUTION

 Clean the following parts with a denatured alcoholmoistened swab:

record/playback/erase head pinch roller rubber belts capstan idlers

2. Demagnetize the record/playback head with a head demagnetizer.

(Head demagnetizer do not approach for the erase head.)

- 3. Do not use a magnetized screwdriver for the adjustment.
- 4. After the adjustments, apply suitable locking compound to the parts adjusted.
- 5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torque meter	Meter reading
Forward	CQ-102C	30 to 65g·cm (0.42 to 0.90 oz·inch)
Forward back tension	CQ-102C	1 to 6g·cm (0.014 to 0.08 oz·inch)
Reverse	CQ-102RC	30 to 65g·cm (0.42 to 0.90 oz·inch)
Reverse back tension	CQ-102RC	1 to 6g*cm (0.014 to 0.08 oz*inch)
Forward, Reverse	CQ-201B	70 to 120g·cm (0.98 to 1.67 oz·inch)

SECTION 4 ELECTRICAL ADJUSTMENTS

PRECAUTION

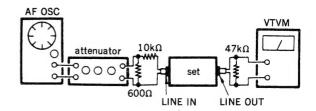
- 1. The adjustment should be performed in the publication. (Be sure to make playback adjustment at first.)
- The adjustment and measurement should be performed for both L-CH and R-CH.
 - Switch position

DOLBY NR switch : OFF DIR MODE switch : ⇄

 Standard record position
 Deliver the standard input signal level to input jack and set the REC LEVEL control to obtain the standard

output signal level as follows.

-Record Mode-



Standard Input Level

Input terminal	LINE IN
source impedance	10kΩ
input signal level	0.25V (-10dB)

Standard Output Level

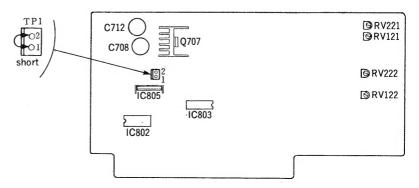
Output terminal	LINE OUT		
load impedance	47kΩ		
output signal level	0.44V (-5dB)		

Test Tape

Tape	Contents	Use
P-4-A100	10kHz, -10dB	Azimuth Adjustment
P-4-L300	315Hz, 0dB	Level Adjustment
WS-48B	3kHz, 0dB	Tape Speed Adjustment

3. When to electrical adjustments, short the connector TP1 (test mode).

audio system control board -component side-

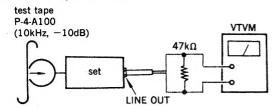


Record/Playback/Erase Head Azimuth Adjustment

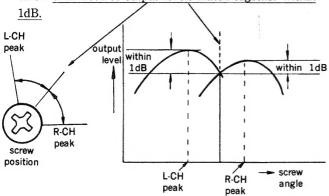
DECK A DECK B

Procedure:

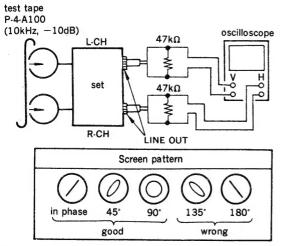
Reverse Playback Mode



Turn the adjustment screw for the maximum output levels. If these levels do notmatch, turn the adjustment screw until both of output levels match together within

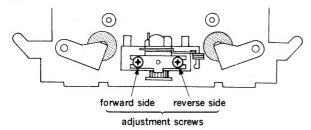


Playback Mode



- Change the forward playback mode and repeat the steps
- After the adjustment, lock the adjustment screws with suitable locking compound.

Adjustment Location: — record/playback/erase head —

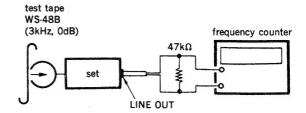


Tape Speed Adjustment DECK A

Perform high speed adjustment before normal speed adjustment.

Procedure:

-Forward Playback Mode-



(high speed adjustment)

- 1. Keep on pressing the SYNCHRO DUBBING HIGH SPEED switch.
- Confirm that the frequency counter reading becomes within adjustment limits of 6,000 ± 60 Hz on both of deck A and deck B.
- 3. If the adjustment limits are not satisfied, adjust each RV72 so that the frequency counter reading becomes within adjustment limits of 6,000 ± 30 Hz on both of deck A and deck B.
- Change the reverse playback mode and repeat the steps 1 to 3.

(normal speed adjustment)

- Keep on pressing the SYNCHRO DUBBING NORM SPEED switch.
- Confirm that the frequency counter reading becomes within adjustment limits of 3,000±30Hz on both of deck A and deck B.
- 7. If the adjustment limits are not satisfied, adjust each RV71 so that the frequency counter reading becomes within adjustment limits of 3,000±15Hz on both of deck A and deck B.
- Change the reverse playback mode and repeat the steps 5 to 7.

Frequency difference between the beginning and the end of the tape should be within 3%.

Frequency difference between deck A and deck B the beginning of the tape should be within 1.5%.

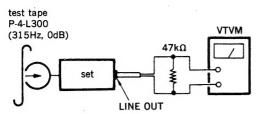
Adjustment Location: MD (C) board (deck A, deck B) (See page 10)

Playback Level Adjustment | DECK A

DECK B

Procedure:

-Forward Playback Mode-



Adjust each RV11 (L-CH) and RV21 (R-CH) so that the VTVM reading becomes within adjustment limits below on both of deck A and deck B.

Adjustment Limits:

LINE OUT level: -15 ± 0.5 dB (0.130 to 0.146V) Level difference between channels: within 0.5dB

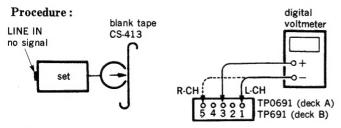
Confirm the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

Adjustment Location: MD(C) board (deck A, deck B) (See page 10)

Bias Consumption Current Adjustment

DECK A DECK B

This adjustment should be perforned when replacing the head assy or step-up transformer (T0391, 0491 (deck A) and T391, 491 (deck B)), or DOLBY HX-PRO IC (IC0691 (deck A) and IC691 (deck B)).



(deck A)

- Connect the digital voltmeter to test point TP0691.
- Set RV0391 (L-CH) and RV0491 (R-CH) to mechanical center.
- 3. Set to forward record mode.
- 4. Adjust T0391 (L-CH) and T0491 (R-CH) so that the digital voltmeter reading becomes minimum.

(deck B)

- Similarly, connect the digital voltmeter to test point 5. TP691.
- 6. Set RV391 (L-CH) and RV491 (R-CH) to mechanical center.
- Set to forward record mode.
- 8. Adjust T391 (L-CH) and T491 (R-CH) so that the digital voltmeter reading becomes minimum.

Adjustment Location: HX-PRO board (A) (deck A), HX-PRO board (B) (deck B)

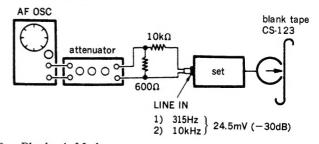
(See page 10)

Record Bias Adjustment **DECK A** DECK B Setting:

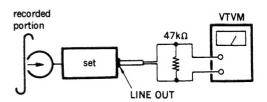
REC LEVEL control: standard record position (Refer to page 7.)

Procedure:

1. Record Mode



Playback Mode



(deck A)

- Playback the signal recorded in step 1, and confirm that the 10kHz playback output level is VTVM reading becomes within adjustment limits below relative to the 315Hz output.
- 4. If the adjustment limits are not satisfied, adjust each RV0391 (L-CH) and RV0491 (R-CH) so that the VTVM reading becomes within adjustment limits on next page.

(deck B)

- Similarly, playback the signal recorded in step 1, and confirm that the 10kHz playback output level is VTVM reading becomes within adjustment limits below relative to the 315Hz output.
- 6. If the adjustment limits are not satisfied, adjust each RV391 (L-CH) and RV491 (R-CH) so that the VTVM reading becomes within adjustment limits on next page.

Adjustment Limits:

10kHz playback output

relative to the 315Hz output: $0 \pm 0.5 dB$

 $\textbf{Adjustment Location:} \ \texttt{HX-PRO} \ board(\texttt{A}) \, (\texttt{deck} \ \texttt{A})$

HX-PRO board(B)(deck B)

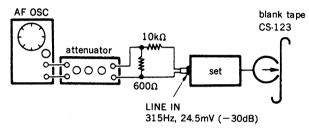
Record Level Adjustment DECK A DECK B

Setting:

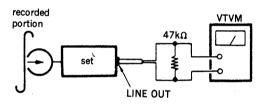
REC LEVEL control: standard record position (Refer to page 7.)

Procedure:

1. Record Mode



2. Playback Mode



(deck A)

- 3. Playback the signal recorded in step 1, and confirm that the 10kHz playback output level is VTVM reading becomes within adjustment limits below relative to the 315Hz output.
- 4. If the adjustment limits are not satisfied, adjust each RV121 (L-CH) and RV221 (R-CH) so that the VTVM reading becomes within adjustment limits below.

(deck B)

- 5. Similarly, playback the signal recorded in step 1, and confirm that the 10kHz playback output level is VTVM reading becomes within adjustment limits below relative to the 315Hz output.
- 6. If the adjustment limits are not satisfied, adjust each RV122 (L-CH) and RV222 (R-CH) so that the VTVM reading becomes within adjustment limits below.

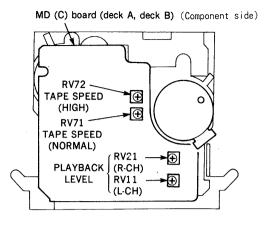
Adjustment Limits:

315Hz playback output level: -25 ± 0.5 dB (42 to 46mV)

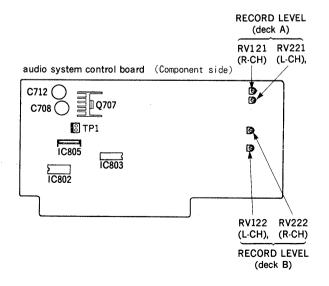
Adjustment Location: audio system control board

Note: After adjustment, open the connector TP1.

-Adjustment Parts Location Diagrams-



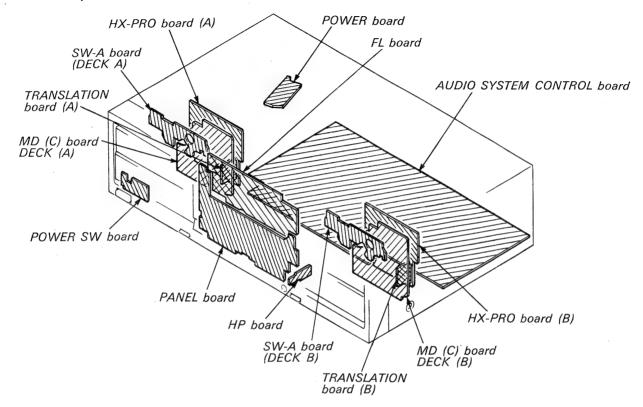
HX-PRO board (A) (deck A), HX-PRO board (B) (deck B) (Component side) 0 T0391 T0491 RV0491 RV0391 (deck A) (deck A) (deck A) (deck A) T391 Ť491 **RV491 RV391** (deckB) (deckB) (deckB) (deckB) (L-CH) (R-CH) (R-CH) (L-CH) BIAS RECORD BIAS CONSUMPTION and CURRENT BIAS CONSUMPTION CURRENT



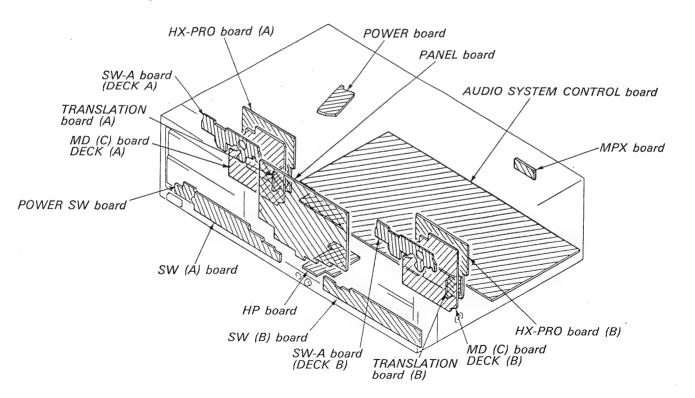
SECTION 5 DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION

(TC-WR775)



(TC-WR87ES)



5-2. SEMICONDUCTOR LEAD LAYOUTS

DTA114ES DTA144ES DTC114ES DTC143TS DTC144ES DTC144WS 2SC2603-EF 2SD1012-FG













10E2N

2SB1370-EF



2SD1312-K



NJL5165K-B



Q102

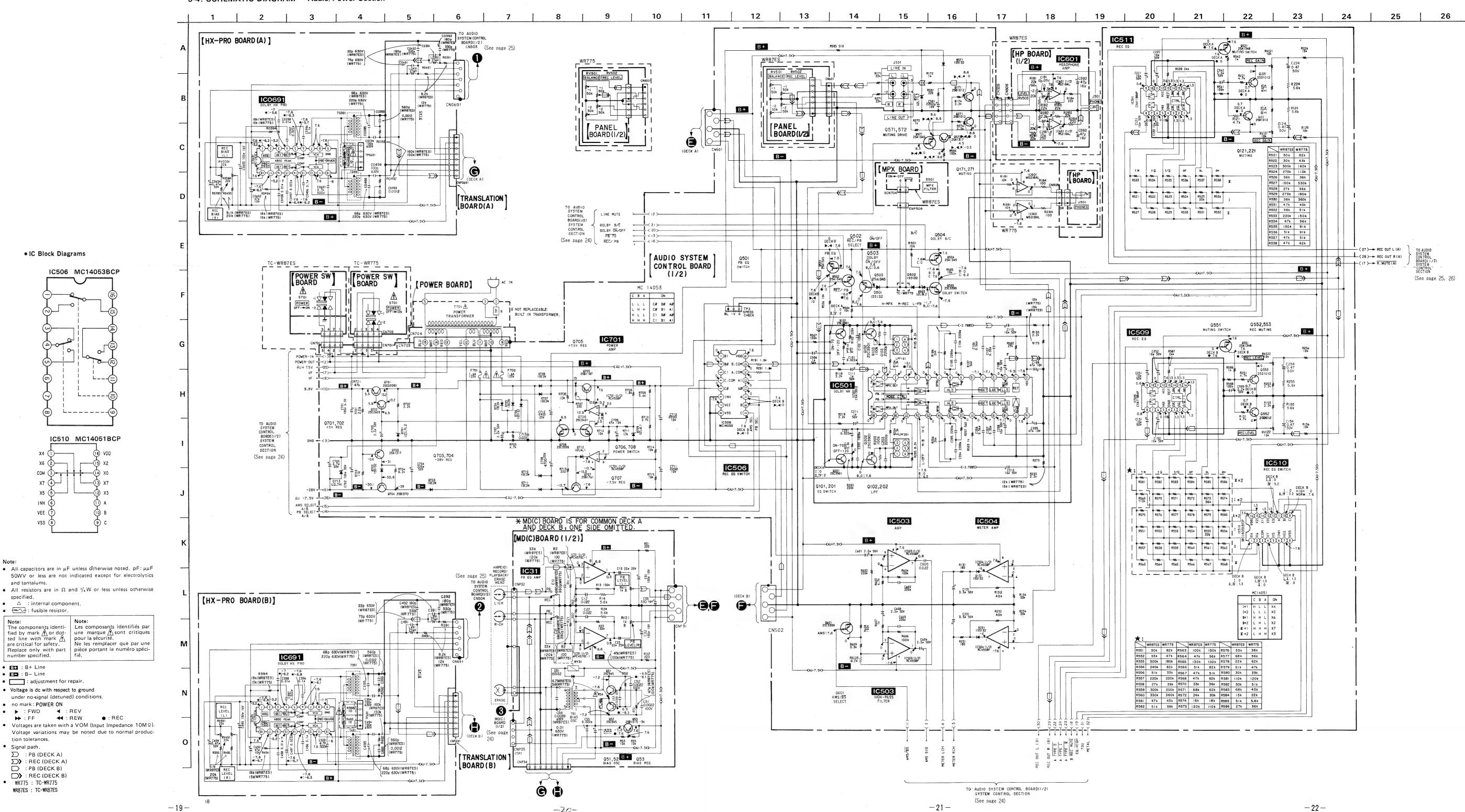
C-6

5-3. PRINTED WIRING BOARDS — Main Section — See page 11 for Circuit boards location and Semiconductor Lead Layouts. 14 22 23 24 25 26 27 28 29 Semiconductor Location Ref. No. | Location | Ref. No. | Location K-14 Q121 [POWER SW BOARD] [AUDIO SYSTEM CONTROL BOARD] [SW (A) BOARD] D-5 Q171 E-5 Q201 B-6 D501(*1) D-4 Q202 B-6 D-5 Q221 B-2 C-4 Q271 E-4 E-5 Q501 D-5 E-5 Q502 D-5 D-11 Q503 D-5 D-10 Q504 C-4 C-11 Q505 C-4 C-12 Q521 C-13 Q551 B-13 Q552 B-13 Q553 C-14 Q571 B-13 Q572 d-----B-13 Q601 C-10 Q701 A-11 B-13 Q702 B-11 B-13 Q703 C-12 B-10 Q704 C-12 C-13 Q705 A-10 F-7 Q706 B-9 G-12 Q707 H-11 Q708 B-9 Q801 K-12 Q802 G-13 L-21 Q803 G-12 L-19 Q804 G-12 B-5 Q805 E-10 F-7 Q806 F-10 E-5 F-7 Q807 D-6 Q851 G-10 D-2 Q852 G-10 F-4 Q853 F-9 B-1 Q854 G-10 IC601(*1) E-4 Q891 IC601(*2) F-32 Q901(*1) H-21 J-8 Q901(*2) F-25 [HX-PRO BOARD(A)] [TRANSLATION BOARD (A)] [TRANSLATION BOARD (B)] [HX-PRO BOARD(B)] B-10 Q902(*1) H-22 F-12 Q902(*2) F-26 E-9 Q903(*1) H-22 F-11 Q903(*2) F-26 D-12 Q904(*1) H-18 F-10 Q904(*2) F-30 • o---: parts extracted from the component side. G-11 Q905(*1) I-21 WR775 : TC-WR775 IC901(*1) H-19 Q905(*2) E-26 WR87ES : TC-WR87ES IC901(*2) F-28 Q906(*1) I-22 IC902(*1) H-23 Q906(*2) E-25 IC902(*2) F-24 Q907(*1) I-21 J-3 Q907(*2) E-26 AUTO PAUSE BLANK SKIP Q908(*1) H-21 J-14 Q908(*2) E-26 J-13 Q909(*1) I-21 K-14 Q909(*2) E-26 Q71 J-13 Q101 C-6

*1: Used on TC-WR775 only.

*2: Used on TC-WR87ES only.

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 □ REC (DECK B) WR775 : TC-WR775 WR87ES : TC-WR87ES

∑ : PB (DECK A)

> : REC (DECK A)

: PB (DECK B)

 △ : internal component. • fusible resistor.

• adjustment for repair. Voltage is dc with respect to ground

no mark: POWER ON • ▶ : FWD ◀ : REV

tion tolerances.

Signal path.

under no-signal (detuned) conditions.

• BE : B+ Line • B : B - Line

• IC Block Diagrams

IC506 MC14053BCP

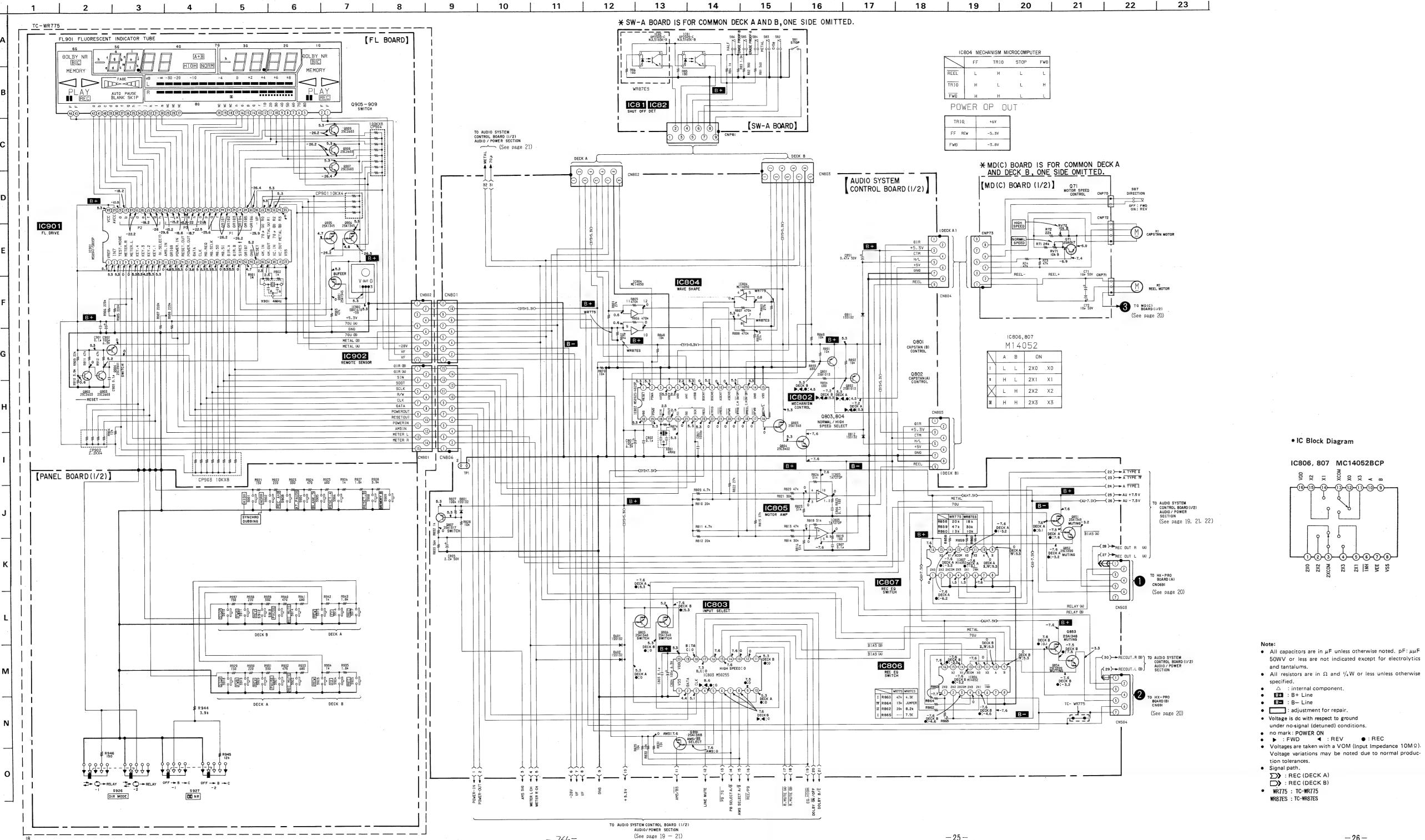
L---(5)

IC510 MC14051BCP

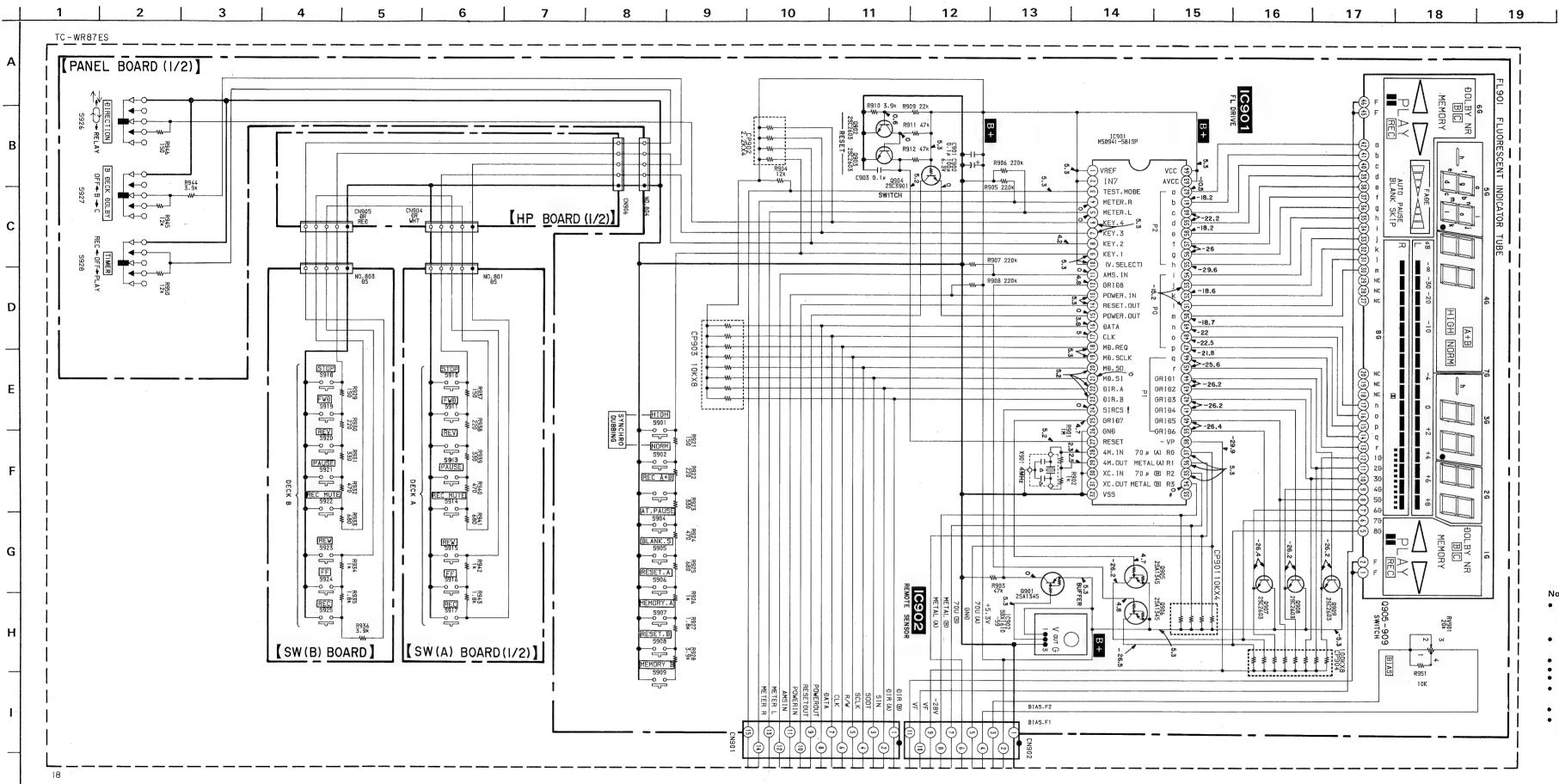
-22-

-24-

- 23-



-25-



- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- △ : internal component.
 B : B + Line
 B : B Line

- Voltage is dc with respect to ground
- under no-signal (detuned) conditions.
- no mark: POWER ON
- Voltages are taken with a VOM (Input Impedance $10M\Omega$). Voltage variations may be noted due to normal production tolerances.

5-6. SCHEMATIC DIAGRAM — Panel Section —

TC-WR87ES/WR775

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

SECTION 6 EXPLODED VIEWS

Color Indication of Appearance Parts

KNOB, BALANCE(WHITE)...(RED)

Part's Color Cabinet's Color

- Hardware (#mark) list is given in the last of this parts list.
- WR775 : TC-WR775 WR87ES : TC-WR87ES

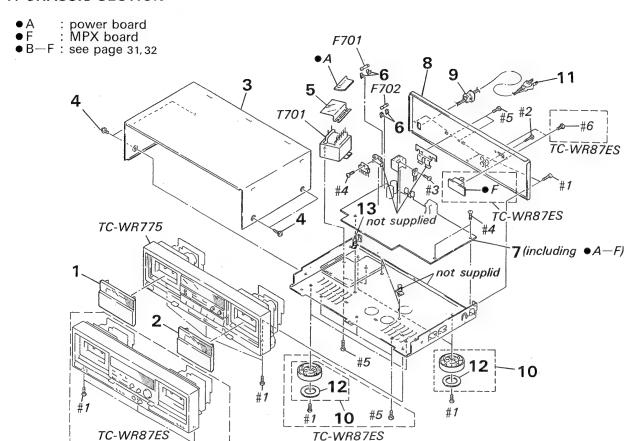
The components identified by mark \(\sumeq \) or dotted line with mark \(\sumeq \) are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque A sont critiques pour la sécurité. Ne les remplacer que par une

pièce portant le numéro spécifié.

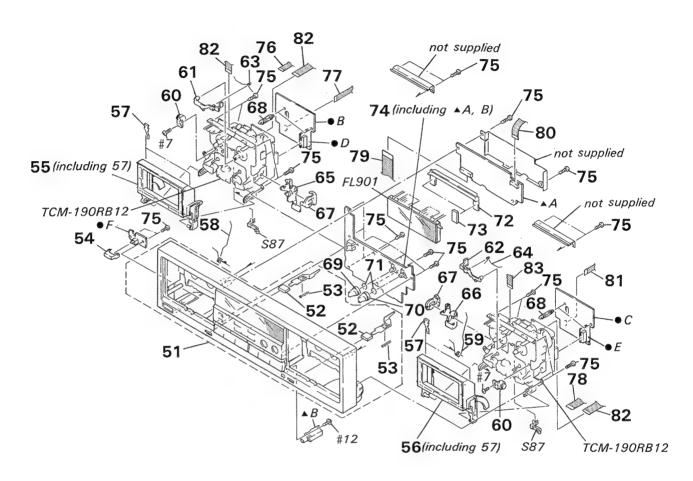
6-1. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1		LID (A) ASSY, CASSETTE (WR87ES LID (A) ASSY, CASSETTE (WR775))			PANEL, BACK (WR87ES) PANEL, BACK (WR775)	ear tea ear ear ear
2 2		LID (B) ASSY, CASSETTE (WR87ES LID (B) ASSY, CASSETTE (WR775))			BUSHING (2104), CORD (WR87ES) BUSHING (S) (4516), CORD (WR77	5)
3 3	* 4-929-294-52 * 4-929-294-42			10 10		FOOT ASSY (WR87ES) FOOT ASSY (WR775)	
4 5 6 7 7	* 3-337-136-11 * 1-533-213-31 * A-2006-511-A	SCREW (CASE) (M3X8) COVER, TRANSFORMER SAFETY HOLDER, FUSE SYSTEM CONTROL BOARD, COMPLETE SYSTEM CONTROL BOARD, COMPLETE		11 di 12 13 : F701 di F702 di	4-923-836-11 * 3-346-265-11 Å 1-532-742-11 Å 1-532-742-11	CORD. POWER (WR87ES) CORD. POWER (WR775) CUSHION HOLDER, PC BOARD FUSE, GLASS TUBE (1. 6A/125V) FUSE, GLASS TUBE (1. 6A/125V) TRANSFORMER. POWER	

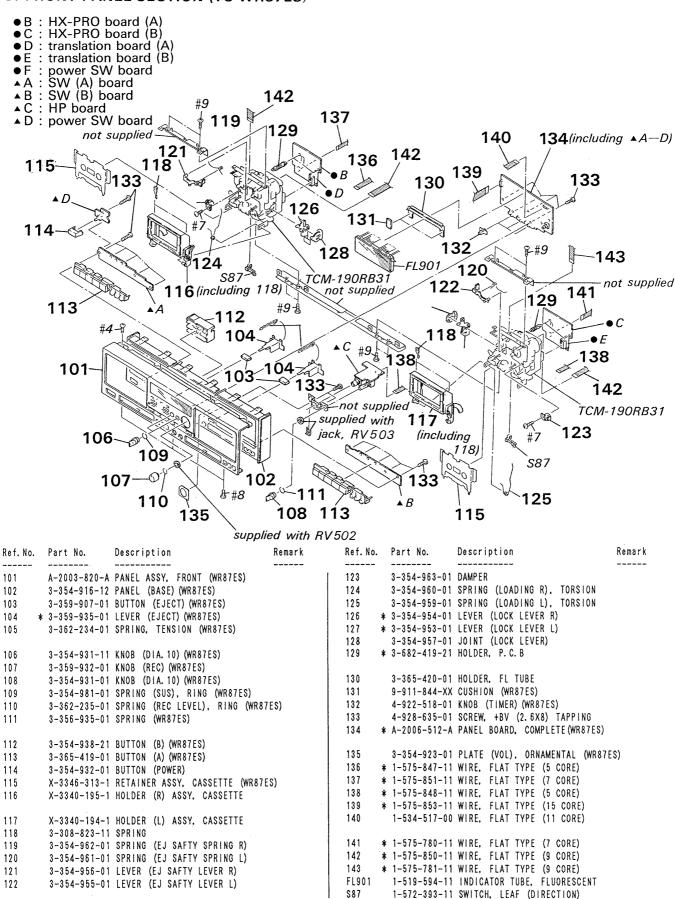
6-2. FRONT PANEL SECTION (TC-WR775)

B: HX-PRO board (A)
C: HX-PRO board (B)
D: translation board (A)
E: translation board (B)
F: power SW board
A: FL board
B: HP board

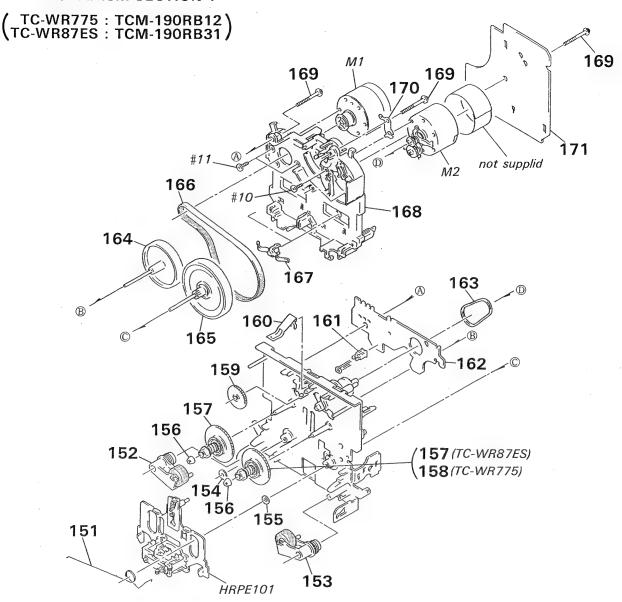


Ref. No	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-3363-192-1	PANEL ASSY. FRONT (WR775)	1		* 3-682-419-21	HOLDER, P. C. B	
52		BUTTON (EJECT) (WR775)	. [69		KNOB (BAL) (WR775)	
53		SPRING, COMPRESSION (WR775)		70		KNOB (REC) (WR775)	
54		BUTTON (POWER)	İ			SPRING (WR775)	
55		HOLDER (R) ASSY, CASSETTE				HOLDER. FL TUBE	
		* *					
56	X-3340-194-1	HOLDER (L) ASSY, CASSETTE		73	* 9-911-844-XX	CUSHION (WR775)	
57	3-308-823-11	SPRING		74	* A-2006-518-A	PANEL BOARD, COMPLETE (WR775)	
58		SPRING (LOADING R), TORSION				, , , , , , , , , , , , , , , , , , , ,	
59		SPRING (LOADING L), TORSION		75	4-928-635-01	SCREW, +BV (2.6X8) TAPPING	
60	3-354-963-01	•				WIRE, FLAT TYPE (5 CORE)	
61		LEVER (EJ SAFTY LEVER R)				WIRE. FLAT TYPE (7 CORE)	
62	3-354-955-01	LEVER (EJ SAFTY LEVER L)				WIRE, FLAT TYPE (5 CORE)	
				79	* 1-575-853-11	WIRE, FLAT TYPE (15 CORE)	
63	3-354-962-01	SPRING (EJ SAFTY SPRING R)					
64	3-354-961-01	SPRING (EJ SAFTY SPRING L)		80	1-534-517-00	WIRE, FLAT TYPE (11 CORE)	
65		LEVER (LOCK LEVER R)				WIRE, FLAT TYPE (7 CORE)	
66		LEVER (LOCK LEVER L)				WIRE, FLAT TYPE (9 CORE)	
67	3-354-951-01	JOINT (LOCK LEVER)	i			WIRE, FLAT TYPE (9 CORE)	
						INDICATOR TUBE, FLUORESCENT	
				\$87	1-572-393-11	SWITCH, LEAF (DIRECTION)	

6-3. FRONT PANEL SECTION (TC-WR87ES)



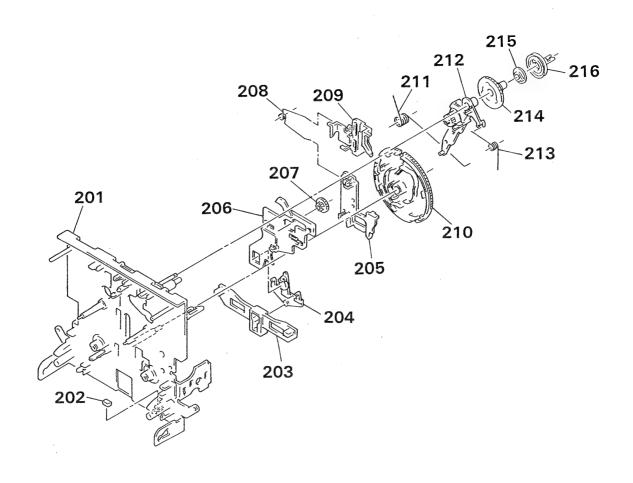
6-4. MECHANISM SECTION-1



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	3-359-455-01	SPRING, TORSION		164	X-3359-410-1	FLYWHEEL (REV) ASSY	
152	X-3359-409-1	LEVER (PINCH LEVER REV) ASSY		165		FLYWHEEL (FWD) COMPLETE ASSY	
153		LEVER (PINCH LEVER FWD) ASSY		166		BELT (FLAT), CAPSTAN	
154	3-356-714-01			167		RETAINER, THRUST, CAPSTAN	
155	3-356-713-01	WASHER		168 *	3-359-436-01	BASE (THRUST RETAINER), FITTING	
156	3-362-308-01	CAP (REEL)		169		SCREW (+PTPWH 2X23)	
157	X-3362-078-1	TABLE ASSY (B), REEL (WR87ES)		170		PLATE. GROUND	
158		TABLE ASSY, REEL (WR775)			1-634-842-11		
159	3-359-424-01	GEAR (REV GEAR)		HRPF101	A-2003-420-A	BASE ASSY, HEAD (REC/PB/ERASE)	(ND 0 7 CO)
160		SPRING (CASSETTE RETAINER), LEAF		HRPF101	A-2003-477-A	BASE ASSY, HEAD (REC/PB/ERASE)	(WKO/ES)
161		HOLDER (S SENSER A)		M1		MOTOR ASSY (CAPSTAN)	(441119)
162	* 1-634-841-11			M2		MOTOR ASSY (REEL)	
163		BELT (FR), SQUARE		1114	N 2000 414"N	MOTOR NOOT (NEEL)	

6-5. MECHANISM SECTION-2

(TC-WR775: TCM-190RB12) TC-WR87ES: TCM-190RB31)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
							*** *** *** *** ***
201	X-3359-415-1	CHASSIS ASSY, MECHANICAL		210	3-359-420-01	GEAR (CAM GEAR)	
202	3-359-469-01	SPACER		211	3-359-456-01	SPRING (TRIGGER SPRING),	TORSION
203	* 3-359-425-01	SLIDER (REVERSE SLIDER)		212	X-3359-405-1	LEVER (FR ARM) ASSY	
204	3-359-426-01	LEVER (REVERSE LEVER)		213	3-359-453-01	SPRING (FR ARM), TORSION	
205	* 3-359-427-01	SLIDER (LEVERSE SLIDER)					
				214	3-359-419-01	GEAR (FR GEAR)	
206	* 3-359-415-01	SLIDER (TRIGGER SLIDER)		215	3-359-421-01	CLUTCH (REEL DISK)	
207	3-359-448-01	GEAR (TRIGGER)		216	3-359-418-01	PULLEY (FR PULLEY)	
208	3-359-454-01	SPRING, TORSION				,	
209	3-359-429-01	SLIDER (BRAKE PLATE)					

SECTION 7 ELECTRICAL PARTS LIST

MD-C

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- RESISTORS

All resistors are in ohms METAL: Metal-film resistor

METAL OXIDE: Metal Oxide-film resistor

F: nonflammable

SEMICONDUCTORS

In each case, u: μ , for example: uA···: μ A···, uPA···: μ PA···, uPB···: μ PB···, uPC···: μ PC···, uPD···: μ PD···

- CAPACITORS uF: μF
- COILS uH: μH

WR775 : TC-WR775
 WR87ES : TC-WR87ES

When indicating parts by reference number, please include the board name.

The components identified by mark \(\underbrace{\hat{\Lambda}}\) or dotted line with mark \(\underbrace{\hat{\Lambda}}\) are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque \bigwedge sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifé.

Ref. No	. Part No.	Description			Remark	Ref. No.	Part No.	Description		Remark
	1-634-842-11	MD-C BOARD ******			W 40 E			SOCKET, CONNECTOR 9P PIN, CONNECTOR (SMALL	TYPE) 2P	
		< CAPACITOR	>					< DIODE >		
C11 C11	1-110-342-11 1-130-469-00		390PF 680PF		(WR775) (WR87ES)	D31	8-719-107-94	DIODE 188202-1		
010	4 400 453 00	P1111	A AAA F	F0/	5011			< 10 >		
C12 C13	1-136-157-00 1-124-282-00		0. 022uF 22uF	5% 20%	50 V 2 5 V	1031	8-759-111-44	IC uPC4570C-1		
C21	1-110-342-11 1-130-469-00		390PF 680PF		(WR775) (WR87ES)			< TRANSISTOR >		
						Q51		TRANSISTOR 2SC945-P		
C22	1-136-157-00		0.022uF	5% 50V		Q52		TRANSISTOR 2SC945-P		
C23	1-124-282-00		22uF	20%	25V	053		TRANSISTOR 2SB1013-34		
031	1-124-443-00		100uF	20%	10V	071	8-729-820-16	TRANSISTOR 2SA1317-S		
C32	1-124-443-00		100uF	20%	10V			. 25212742		
C33	1-124-119-00	FLECI	330uF	20%	16V	•		< RESISTOR >		
C51	1-136-230-00	FILM	0.0022uF	5%	100V	R11	1-247-881-00	CARBON 120K	5% 1/4W	(WR775)
C52	1-136-230-00	FILM	0.0022uF	5%	100V	R11	1-249-435-11	CARBON 33K	5% 1/4W	(WR87ES
C53	1-130-856-00	FILM	0.0068uF	5%	100V					
						R12	1-249-404-00			(WR87ES
C54	1-136-558-11	FILM	0.0039uF	5% 63	0 V (WR87ES)	R12	1-249-405-11	CARBON 100	5% 1/4W	(WR775)
C54	1-136-601-11	FILM	0.01uF	5% 63	0V (WR775)					
						R13	1-247-882-11	CARBON 130K	5% 1/	4W
C55	1-161-494-00		0.022uF		25V	R14	1-249-426-11	CARBON 5.6K	5% 1/	′4₩
C56	1-126-157-11		10uF	20%						
C71	1-124-907-11		10uF	20%	50V	R21	1-247-881-00	CARBON 120K		(WR775)
C72	1-124-907-11	ELECT	10uF	20%	50V	R21	1-249-435-11	CARBON 33K	5% 1/4W	(WR87ES
		< CONNECTOR	>			R22	1-249-404-00	CARBON 82	5% 1/4W	(WR87ES
						R22	1-249-405-11		5% 1/4W	
CNP31	* 1-568-824-11	SOCKET, CONN	IECTOR 5P						, .,,	
	* 1-564-709-11			TYPE) 7	Р	R23	1-247-882-11	CARBON 130K	5% 1/	4W
	* 1-565-344-11					R24	1-249-426-11			'4W
	* 1-564-705-11				Р	R31	1-249-409-11			'4W
	* 1-564-706-11		•			R32	1-249-409-11			'4W

MD-C

SW-A

PANEL

INCLUDING SW(A), SW(B), HP, POWER SW, FL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description		Remark
R51 R51	1-249-437-11	CARBON 47K 5%				< SWITCH >		
,,,,,			,, (,	\$81	1-571-958-11	SWITCH, PUSH	(1 KEY) (STOP)	1
R52	1-249-437-11	CARBON 47K 5%	1/4W (WR87ES)	\$82	1-571-281-21			
R52	1-249-441-11	CARBON 100K 5%	1/4W (WR775)	\$83	1-571-281-21			
				\$84		SWITCH, LEAF		•
R53	1-249-429-11	CARBON 10K	5% 1/4W	\$85	1-571-281-21			B)
				\$86	1-571-281-21	SWITCH, LEAF	(HALF)	
	∆ 1-212-849-00 ∆ 1-212-851-00		1/4W F (WR87ES) 1/4W F (WR775)	******	******	******	*******	******
R55	1-249-429-11		5% 1/4W	*	k A-2006-512-A			
R71	1-247-864-11		5% 1/4W				IP, POWER SW B	DARD) (WR8/ES)
R72	1-249-433-11		5% 1/4W	*	¥ A-2006-518-A			10100\ (WD775\
R73 R74	1-249-437-11 1-249-437-11		5% 1/4W 5% 1/4W				_UDING FL,HP ********	
N / 4	1-249-457-11	CANDON 47K	. 1/411			*****	*****	*****
		< VARIABLE RESISTOR >			9-911-844-XX	CUSHION		
		· · ·				HOLDER, FL TI	JBE	
RV11	1-238-597-11	RES, ADJ, CARBON 1K				,		
RV21	1-238-597-11	RES, ADJ, CARBON 1K				< CAPACITOR :	>	
RV71		RES, ADJ, CARBON 10K						
RV72	1-238-600-11	RES, ADJ. CARBON 10K		C901	1-164-159-11	CERAMIC	0. 1uF	50V
		< RELAY >		C902	1-124-443-11	FLECT	100uF 20%	6. 3V (WR87ES)
		V BLLAT /		C902	1-128-340-91			6. 3V (WR775)
RY31	1-515-726-11	RELAY		0002	1 120 040 01	22201		0.01 (111110)
				C903	1-164-159-11	CERAMIC	0. 1uF	50V
		<pre>< TRANSFORMER ></pre>						
TE	1 400 000 11	TRANSFORMER DIAC OCCU	LATION			< CONNECTOR :	>	
T51	1-433-300-11	TRANSFORMER, BIAS OSCIL	LATION	CNON1 4	k 1-568-834-11	SOCKET CONNE	CTOR 15P (WR	R7FS)
*****	******	*******	*****		k 1-568-858-11		•	•
							•	
	* 1-634-841-11	SW-A BOARD			k 1-568-830-11			
		******			1-564-498-11			
					1-564-498-11			
	3-343-419-01	HOLDER (S SENSER A)		CN906 *	1-564-498-11	PIN, CONNECTO	OR 5P (WR87ES)	
		< CONNECTOR >				< CIRCUIT BLO	OCK >	
CNP81	* 1-568-852-11	SOCKET, CONNECTOR 9P		GP901	1-232-946-11	COMPOSITION (CIRCUIT BLOCK	(10kX4)
				CP902		COMPOSITION (
		< 10 >		CP903	1-233-199-11			
				CP904	1-239-060-11	COMPOSITION (CIRCUIT BLOCK	(100kX8)
1 C 8 1 1 C 8 2		PHOTO SENSOR NJL5165K-E PHOTO SENSOR NJL5165K-E				< FLUORESCENT	INDICATOR >	
		. DEGLATAD		F1 004				
		< RESISTOR >		FL901	1-519-594-11	INDICATOR TUE	SE. FLUORESCE	()
R81	1-249-414-11	CARBON 560	5% 1/4W			< 10 >		
R82	1-247-818-11		5% 1/4W			. 10)		
R83	1-247-834-11		5% 1/4W	10901	8-759-636-52	IC M50941-58	ISP (WR87ES)	
R84	1-249-417-11		5% 1/4W	10901		IC M50941-580		
R85	1-249-408-11		5% 1/4W					
R86	1-249-408-11	CARBON 180	5% 1/4W (WR87ES)	10902	8-741-100-48	IC SBX1610-59	}	

Note:
The components identified by mark A or dotted line with mark Replace only with part number specified.

Note:

Les composants identifiés par une marque A sont critiques pour la sécurité. Ne les remplacer que par une

pièce portant le numéro spéci-fié.

PANEL

INCLUDING SW(A), SW(B), HP, POWER SW, FL

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Descrip				Remark
		< JACK >				R942	1-249-417-11			1 K	5%	
J501		JACK (PHONES)				R943 R944	1-249-420-11 1-249-424-11			1.8K 3.9K	5% 5%	
		< TRANSISTOR	>			R945 R946	1-249-430-11 1-249-407-11			12K 150	5% 5%	
0001	0 700 000 65	TDANCIOTAD D	FA144F0			DOEA	1 040 400 44	O A D D O N		101	F0/	
Q901 Q902		5 TRANSISTOR D' 5 TRANSISTOR 25				R950 R951	1-249-430-11 1-249-429-11			12K 10K		1/4W (WR87ES) 1/4W (WR87ES)
Q903		TRANSISTOR 28					1 240 420 11	011110011			. 070	., 411 (111101 120)
0904	8-729-900-74	TRANSISTOR D	TC143TS					< VARIA	BLE RES	ISTOR	>	
Q905	8-729-900-65	TRANSISTOR D	TA144ES			DUEAA	4 044 500 44	D50 V		011 501		
0906	0 700 000 65	TOANGLETAD D	TA144E0			RV501	1-241-503-11					
Q907		5 TRANSISTOR D' 5 TRANSISTOR 28				RV502 RV901	1-241-502-11 1-241-134-11					
Q908		TRANSISTOR 25					1-241-104-11	NLO, VA	n, vano	014 201	(DIAS	(HIVOLES)
Q909		TRANSISTOR 2						< SWITC	H >			•
		< RESISTOR >				\$901	1-554-303-21	SWITCH,				
R901	1 047 000 00	O A D D O N	1M	E0/	1/4W	0000	1 554 202 01	CWITOI			SYNCHR	O DUBBING)
R902	1-247-903-00		1 K	5% 5%	1/4W 1/4W	\$902	1-554-303-21	SWITCH,			CANCHD	O DUBBING)
R903	1-249-437-11		47K	5%	1/4W				(MONM	OF LLD	STRUM	O DOBBING)
R904	1-249-430-11		12K	5%	1/4W	\$903	1-554-303-21	SWITCH	TACTII	F (RFC	. Δ+B)	
R905	1-247-887-00		220K	5%	1/4W	\$904	1-554-303-21					F)
			,		.,	\$905	1-554-303-21					
R906	1-247-887-00	CARBON	220K	5%	1/4W	\$906	1-554-303-21					,
R907	1-247-887-00		220K	5%	1/4W	\$908	1-554-303-21					
R908	1-247-887-00		220K	5%	1/4W					(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	
R909	1-249-433-11	CARBON	22K	5%	1/4W	\$909	1-554-303-21	SWITCH,	TACTIL	E (MEN	(ORY)	
R910	1-249-424-11	CARBON	3.9K	5%	1/4W	\$910	1-554-303-21					
						\$911	1-554-303-21					
R911 ·	1-249-437-11	CARBON	47 K	5%	1/4W	\$912	1-554-303-21					
R912	1-249-437-11	CARBON	47 K	5%	1/4W	\$913	1-554-303-21	SWITCH,	TACTIL	E (PAL	ISE A)	
R921	1-249-407-11	CARBON	150	5%	1/4W							
R922	1-249-409-11	CARBON	220	5%	1/4W	\$914	1-554-303-21	SWITCH,	TACTIL	E (REC	MUTE	4)
R923	1-249-411-11	CARBON	330	5%	1/4W	\$915	1-554-303-21					
						\$916	1-554-303-21					
R924	1-249-413-11		470	5%	1/4W	\$917	1-554-303-21					
R925	1-249-415-11		680	5%	1/4W	\$918	1-554-303-21	SWITCH,	TACTIL	E (STO	PB)	
R926	1-249-417-11		1 K	5%	1/4W							
R927	1-249-420-11		1. 8K	5%	1/4W	\$919	1-554-303-21					
R928	1-249-424-11	CARBON	3.9K	5%	1/4W	\$920	1-554-303-21					
BAAA	4 0 40 407 44					\$921	1-554-303-21					
R929	1-249-407-11		150		1/4W	\$922	1-554-303-21					3)
R930	1-249-409-11		220	5%	1/4W	\$923	1-554-303-21	SWITCH,	TACTIL	E (REW	(B)	
R931 R932	1-249-411-11		330	5%	1/4W	0004	1 554 000 01	OWLTAN	TAOTIL	r /rr	0.1	
R933	1-249-413-11		470	5%	1/4W	\$924	1-554-303-21				-,	
Naos	1-249-415-11	CARDON	680	5%	1/4W	\$925	1-554-303-21	SWIICH,	TACTIL	E (KEC	B)	
R934	1-249-417-11	CARBON	1 K	5%	1/4W	\$926	1-571-520-11	SWITCH.	SLIDE	(DIREC	TION) (VR87ES)
R935	1-249-420-11	CARBON	1. 8K	5%	1/4W	8926	1-572-401-11	SWITCH,	SLIDE	(DIREC	TION) (VR775)
R936	1-249-424-11	CARBON	3.9K 5%	1/	4W (WR87ES)	-						
R937	1-249-407-11	CARBON	150	5%	1/4W	\$927	1-571-520-11	SWITCH.	SLIDE	(B DEC	K DOLB	() (WR87ES)
DAAA	4 040 400 4	0.4.00.00			4.7.00	\$927	1-572-401-11					
R938	1-249-409-11		220	5%	1/4W							
R939	1-249-411-11		330	5%	1/4W	\$928	1-571-520-11	SWITCH,	SLIDE	(TIMER	OFF) (\	YR87ES)
R940	1-249-413-11		470	5%	1/4W							
R941	1-249-415-11	CARBON	680	5%	1/4W							

PANEL

INCLUDING SW(A), SW(B), HP, POWER SW, FL

SYSTEM CONTROL

INCLÚDING HX PRO(A), HX PRO(B), TRANSLATION(A), TRANSLATION(B), MPX, POWER SW

CERAMIC C221 1-124-907-11 ELECT	Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
		min man man man man man man man								10uF	20%	50V
**************************************							C222	1-124-907-11	ELECT	10uF	20%	50 V
**************************************	X901	1-577-358-21	VIBRATOR, CERA	MIC (4MHz)			C224	1-124-902-00	ELECT	0.47uF	20%	50V
# A-2005-511-A SYSTEM CONTROL BOARD, COMPLETE (INCLUDING HX PRO (B), TARNSLATION (A), TARNSLATION (B), WAY SOARDO, MRATES) # A-2005-517-A SYSTEM CONTROL BOARD, COMPLETE (INCLUDING HX PRO (B), TARNSLATION (A), TARNSLATION (B), POWER SW BOARDO, (MRATES) # A-2005-517-A SYSTEM CONTROL BOARD, COMPLETE (INCLUDING TRANSLATION (B), POWER SW BOARDO, (MRATES) # 1-530-210-31 HOLDER, FUSE # 1-530-210-31 HOLDER, FUSE # 1-530-213-31 HOLDER, FUSE # 1-530-213-31 HOLDER, FUSE # 1-530-213-31 HOLDER, FUSE # 1-530-210-31 HOLDER, FUSE # 1-530-20-31 HOLDER, FUSE # 1-530-20-31 HOLDER, FUSE # 1-530-20-31 HOLDER, FUSE # 1-300-475-00 MYLAR # 1-00-01-01-01-01-01-01-01-01-01-01-01-01							C231	1-123-382-00	ELECT	3. 3uF	20%	100V
# A-2005-517-A SYSTEM CONTROL BOARD, COMPLETE (INCLUDING HAPROCAL BY REPGIO, BY APORCAL BY REPGIO,	*****	******	*****	******	****	*****	0251	1-124-907-11	FLECT	10 u F	2 0%	5.0 V
### RPO (A), MY PRO (B), TARNSLATION (A), TARNSLATION (A), TARNSLATION (B), POWER SW BOARD) (WR87ES) ####################################		* A-2006-511-A	SYSTEM CONTROL	BOARD, CO	MPLET	F (INCLUDING						
### A-2006-517-A SYSTEM CONTROL BANG, COMPLETE (INCUIDING HAV PRO (A), HX PRO (B), TRANSLATION (A). PRO (B) TRANSLATION (B). PRO (B).						•	i					
* A-2006-517-A SYSTEM CONTROL BOARD. COMPLETE (INCLIDING CAPTER) ************************************												
######################################		* A-2006-517-A					0201	1 120 030 11	LLLOI	1001 20	/0 Z J	V (MNO/ES)
## 1-533-213-31 HOLDER, FUSE ## 1-532-213-31 HOLDER, FUSE ## 1-532-213 HOLDER, FUSE ## 1-522-213-31 HOLDER, FUSE ## 1-523-213 HOLDER, FUSE ## 1-			HX PRO(A).	HX PRO(B).	TRANS	LATION(A),	C391	1-136-273-91	FILM	75PF 5%	630V	(WR775)
**************************************			TRANSLATION	(B), POWER S	W BOA	RD) (WR775)	C391	1-136-935-11	FILM			
* 1-533-213-31 HOLDER, FUSE			******	*****	****	*****				22.1	••••	(111,0120)
* 1-533-213-31 HOLDER, FUSE 7-682-547-04 SCREW HSVTP 3X6 (S) **CAPACITOR***			WALES FUEF				4					
T-685-646-79 SCREW +8VTI 3X6 SO C333							C392	1-162-288-31	CERAMIC	330PF 10	% 50V	(WR775)
T-882-547-04 SCREW +BVTT 3X6 (S)												
C101					LIT							
C101		1-682-541-04	SCREW +BVII 3X	(6 (S)			C393	1-130-472-00	MYLAR	0.0012uF	5% 5	0V (WR775)
C102			< CAPACITOR >				C394	1-136-433-11	FILM	100PF	5%	630V
C102	C101	1-136-157-00	FILM	0. 022uF	5%	50V	0395	1-136-272-00	FILM	63DE 5%	830	//WD07E0\
C103							1					
C104							0000	1 100 401 11	116111	22011 070	000	v (mn////)
C105							C396	1-136-165-00	FILM	n tuF	5%	50V
C106												
C106				********	•••	•••	1					
C107	C106	1-136-174-00	FILM	0.56uF	5%	50V	1	1 100 100 00	1 7 6 111	0.0101	476	301
C108							C491	1-136-273-91	FILM	75PF 5%	6301	/ (WR775)
C109	C108											, ,
C111 1-124-903-11 ELECT 1UF 20% 50V C493 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) C122 1-124-907-11 ELECT 10UF 20% 50V C493 1-130-472-00 MYLAR 0.0012UF 5% 50V (WR87ES) C124 1-124-902-00 ELECT 0.47uF 20% 50V C493 1-136-433-11 FILM 100PF 5% 630V (WR87ES) C124 1-124-907-11 ELECT 10UF 20% 50V C493 1-136-433-11 FILM 100PF 5% 630V (WR87ES) C151 1-124-907-11 ELECT 10UF 20% 50V C495 1-136-433-11 FILM 20PF 5% 630V (WR87ES) C152 1-124-907-11 ELECT 10UF 20% 50V C495 1-136-437-11 FILM 20PF 5% 630V (WR87ES) C152 1-124-907-11 ELECT 10UF 20% 50V C495 1-136-437-11 FILM 20PF 5% 630V (WR87ES) C154 1-124-902-00 ELECT 0.47uF 20% 50V C495 1-136-165-00 FILM 20% 50V C695 1-136-157-00 FILM 0.022UF 5% 50V C495 1-136-157-00 FILM 0.022UF 5% 50V C496 1-136-153-00 FILM 0.01UF 5% 50V C596 1-124-903-11 ELECT 1UF 20% 50V C596 1-124-925-11 ELECT 2.2UF 20% 10V C596 1-136-174-00 FILM 0.050UF 5% 50V C599 1-124-589-11 ELECT 2.2UF 20% 10V C599 1-124-925-11 ELECT 2.2UF 20% 10V C599 1-1	C109	1-124-126-00	ELECT							2011		(11110120)
C111 1-124-903-11 ELECT 1UF 20% 50V C493 1-130-468-00 MYLAR 560PF 5% 50V (WR775) C121 1-124-907-11 ELECT 10UF 20% 50V C493 1-130-472-00 MYLAR 0.0012UF 5% 50V (WR775) C124 1-124-907-11 ELECT 10UF 20% 50V C493 1-130-472-00 MYLAR 0.0012UF 5% 50V (WR775) C124 1-124-902-00 ELECT 0.47UF 20% 50V C493 1-136-433-11 FILM 100PF 5% 630V (WR775) C124 1-124-907-11 ELECT 10UF 20% 50V C494 1-136-433-11 FILM 100PF 5% 630V (WR87ES) C152 1-124-907-11 ELECT 10UF 20% 50V C495 1-136-437-11 FILM 220PF 5% 630V (WR87ES) C152 1-124-907-11 ELECT 10UF 20% 50V C495 1-136-437-11 FILM 220PF 5% 630V (WR775) C154 1-124-902-00 ELECT 0.47UF 20% 50V C495 1-136-437-11 FILM 220PF 5% 630V (WR775) C154 1-126-908-11 ELECT 10UF 20% 50V C495 1-136-157-00 FILM 0.01UF 5% 50V C201 1-136-157-00 FILM 0.022UF 5% 50V C497 1-136-157-00 FILM 0.022UF 5% 50V C498 1-136-157-00 FILM 0.022UF 5% 50V C498 1-136-153-00 FILM 0.01UF 5% 50V C202 1-162-294-31 CERAMIC 0.0022UF 5% 50V C506 1-124-903-11 ELECT 1UF 20% 50V C203 1-161-375-00 GERAMIC 0.0022UF 5% 50V C506 1-124-903-11 ELECT 1UF 20% 50V C204 1-130-475-00 MYLAR 0.0022UF 5% 50V C502 1-124-925-11 ELECT 2.2UF 20% 10V C206 1-136-174-00 FILM 0.55UF 5% 50V C592 1-124-589-11 ELECT 2.2UF 20% 10V C206 1-136-174-00 FILM 0.3UF 5% 50V C593 1-124-589-11 ELECT 2.2UF 20% 10V C209 1-124-126-00 ELECT 47UF 20% 50V C593 1-124-589-11 ELECT 2.2UF 20% 10V C209 1-124-126-00 ELECT 47UF 20% 50V C593 1-124-589-11 ELECT 2.2UF 20% 10V C209 1-124-126-00 ELECT 47UF 20% 50V C593 1-124-589-11 ELECT 2.2UF 20% 10V C209 1-124-126-00 ELECT 47UF 20% 50V C593 1-124-589-11 ELECT 2.2UF 20% 10V C209 1-124-907-11 ELECT 10UF 20% 50V C593 1-124-589-11 ELECT 2.2UF 20% 10V C209 1-124-126-00 ELECT 47UF 20% 50V C593 1-124-589-11 ELECT 2.2UF 20% 10V C209 1-124-126-00 ELECT 47UF 20% 50V C593 1-124-589-11 ELECT 2.2UF 20% 10V C209 1-124-126-00 ELECT 47UF 20% 50V C593 1-124-589-11 ELECT 2.2UF 20% 10V C209 1-124-907-11 ELECT 10UF 20% 50V C593 1-124-589-11 ELECT 2.2UF 20% 10V C593 1-124-925-11 ELECT 2.2UF 20% 10V C593 1-124-925-11 ELECT 2.2UF 20% 10V C593 1-124-925-11 EL	C110	1-124-907-11	ELECT	10uF	20%	50V	C492	1-162-285-31	CERAMIC	180PF 10	% 50	V. (WR87FS)
C111							C492					, ,
C122 1-124-907-11 ELECT 10 UF 20% 50 V C493 1-130-472-00 MYLAR 0.0012 UF 5% 50 V (WR775) C124 1-124-902-00 ELECT 0.47 UF 20% 50 V C494 1-136-433-11 FILM 10 OPF 5% 63 OV (WR87ES) C151 1-124-907-11 ELECT 10 UF 20% 50 V C495 1-136-437-11 FILM 220 FF 5% 63 OV (WR87ES) C152 1-124-907-11 ELECT 10 UF 20% 50 V C495 1-136-437-11 FILM 220 FF 5% 63 OV (WR87ES) C154 1-124-902-00 ELECT 0.47 UF 20% 50 V C495 1-136-437-11 FILM 220 FF 5% 63 OV (WR775) C154 1-124-902-00 ELECT 0.47 UF 20% 50 V C495 1-136-157-00 FILM 0.1 UF 5% 50 V C497 1-136-157-00 FILM 0.022 UF 5% 50 V C497 1-136-157-00 FILM 0.022 UF 5% 50 V C498 1-136-153-00 FILM 0.01 UF 5% 50 V C506 1-124-903-11 ELECT 1 UF 20% 50 V C506 1-124-903-11 ELECT 1 UF 20% 50 V C506 1-124-903-11 ELECT 1 UF 20% 50 V C509 1-130-475-00 MYLAR 0.0022 UF 5% 50 V C591 1-126-927-11 ELECT 220 UF 20% 10 V C509 1-136-174-00 FILM 0.56 UF 5% 50 V C599 1-124-589-11 ELECT 2.2 UF 20% 10 V C509 1-124-907-11 ELECT 1 UF 20% 50 V C509 1-124-925-11 ELECT 2.2 UF 20% 10 V C509 1-124-925-11 ELECT 2	C111	1-124-903-11	ELECT	1uF	20%	50 V			•			
C124 1-124-902-00 ELECT		1-124-907-11	ELECT	10 u F	20%	50 V	C493	1-130-468-00	MYLAR	560PF	5% 50	OV (WR87ES)
C131 1-123-382-00 ELECT 3. 3uf 20% 100V C494 1-136-433-11 FILM 100PF 5% 630V (WR87ES) C151 1-124-907-11 ELECT 10uf 20% 50V C495 1-136-272-00 FILM 220PF 5% 630V (WR87ES) C152 1-124-907-11 ELECT 10uF 20% 50V C495 1-136-437-11 FILM 220PF 5% 630V (WR87ES) C154 1-124-902-00 ELECT 0. 47uF 20% 50V C495 1-136-437-11 FILM 220PF 5% 630V (WR775) C181 1-126-908-11 ELECT 10uF 20% 25V (WR87ES) C201 1-136-157-00 FILM 0. 0.22uF 5% 50V C497 1-136-157-00 FILM 0. 0.22uF 5% 50V C201 1-136-157-00 FILM 0. 0.022uF 5% 50V C498 1-136-153-00 FILM 0. 0.01uF 5% 50V C202 1-162-294-31 CERAMIC 0. 0.01uF 10% 50V C506 1-124-903-11 ELECT 1uF 20% 50V C203 1-161-375-00 CERAMIC 0. 0.022uF 5% 50V C542 1-124-925-11 ELECT 2. 2uF 20% 100V C204 1-130-475-00 MYLAR 0. 0.022uF 5% 50V C591 1-126-927-11 ELECT 2200uF 20% 10V C205 1-136-171-00 FILM 0. 56uF 5% 50V C592 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C207 1-136-171-00 FILM 0. 3uF 5% 50V C592 1-124-589-11 ELECT 2. 2uF 20% 100V C208 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2. 2uF 20% 100V C209 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2. 2uF 20% 100V C209 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2. 2uF 20% 100V C201 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2. 2uF 20% 100V C201 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2. 2uF 20% 100V C201 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2. 2uF 20% 100V C201 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2. 2uF 20% 100V		1-124-907-11	ELECT	10 u F			C493	1-130-472-00	MYLAR	0.0012uF	5% 50	V (WR775)
C151 1-124-907-11 ELECT 10uf 20% 50V C495 1-136-272-00 FILM 20PF 5% 630V (WR775) C152 1-124-907-11 ELECT 10uf 20% 50V C495 1-136-437-11 FILM 220PF 5% 630V (WR775) C154 1-124-902-00 ELECT 0.47uf 20% 50V C495 1-136-437-11 FILM 220PF 5% 630V (WR775) C181 1-126-096-11 ELECT 10uf 20% 25V (WR87ES) C496 1-136-165-00 FILM 0.1uf 5% 50V C497 1-136-157-00 FILM 0.022uf 5% 50V C498 1-136-157-00 FILM 0.01uf 5% 50V C203 1-161-375-00 CERAMIC 0.0022uf 20% 50V C506 1-124-903-11 ELECT 1uf 20% 50V C203 1-161-375-00 MYLAR 0.0022uf 5% 50V C542 1-124-925-11 ELECT 2.2uf 20% 100V C204 1-130-475-00 MYLAR 0.0022uf 5% 50V C592 1-124-589-11 ELECT 2200uf 20% 16V (WR87ES) C593 1-124-589-11 ELECT 47uf 20% 16V (WR87ES) C593 1-124-589-11 ELECT 2.2uf 20% 100V C206 1-136-174-00 FILM 0.33uf 5% 50V C592 1-124-589-11 ELECT 2.2uf 20% 100V C208 1-124-907-11 ELECT 10uf 20% 50V C599 1-124-925-11 ELECT 2.2uf 20% 100V C209 1-124-907-11 ELECT 10uf 20% 50V C601 1-124-925-11 ELECT 2.2uf 20% 100V C209 1-124-907-11 ELECT 10uf 20% 50V C601 1-124-925-11 ELECT 2.2uf 20% 100V C210 1-124-907-11 ELECT 10uf 20% 50V C602 1-162-286-31 CERAMIC 220PF 10% 50V C211 1-124-907-11 ELECT 10uf 20% 50V C602 1-162-286-31 CERAMIC 220PF 10% 50V C211 1-124-907-11 ELECT 10uf 20% 50V C603 1-162-286-31 CERAMIC 220PF 10% 50V C211 1-124-907-11 ELECT 2.2uf 20% 100V C601 1-124-907-11 ELECT 2.2uf 20% 100V C6												
C152	C131	1-123-382-00	ELECT	3. 3uF	20%	100V	C494	1-136-433-11	FILM	100PF	5%	630V
C152 1-124-907-11 ELECT 10uf 20% 50V C495 1-136-437-11 FILM 220F 5% 630V (WR775) C154 1-124-902-00 ELECT 0. 47uf 20% 50V C181 1-126-096-11 ELECT 10uf 20% 25V (WR87ES) C496 1-136-165-00 FILM 0. 1uf 5% 50V C497 1-136-157-00 FILM 0. 022uf 5% 50V C498 1-136-157-00 FILM 0. 01uf 5% 50V C203 1-161-375-00 CERAMIC 0. 001uf 10% 50V C506 1-124-903-11 ELECT 1uf 20% 50V C204 1-130-475-00 MYLAR 0. 0022uf 5% 50V C542 1-124-925-11 ELECT 2. 2uf 20% 100V C206 1-136-174-00 FILM 0. 56uf 5% 50V C592 1-124-589-11 ELECT 47uf 20% 16V (WR87ES) C593 1-124-589-11 ELECT 47uf 20% 16V (WR87ES) C593 1-124-925-11 ELECT 2. 2uf 20% 100V C208 1-124-907-11 ELECT 10uf 20% 50V C601 1-124-907-11 ELECT 2. 2uf 20% 100V C209 1-124-126-00 ELECT 47uf 20% 10V C601 1-124-907-11 ELECT 2. 2uf 20% 100V C201 1-124-907-11 ELECT 10uf 20% 50V C601 1-124-907-11 ELECT 2. 2uf 20% 100V C201 1-124-907-11 ELECT 10uf 20% 50V C601 1-124-905-11 ELECT 2. 2uf 20% 100V C201 1-124-907-11 ELECT 10uf 20% 50V C601 1-124-905-11 ELECT 2. 2uf 20% 100V C201 1-124-907-11 ELECT 10uf 20% 50V C601 1-124-905-11 ELECT 2. 2uf 20% 100V C201 1-124-907-11 ELECT 10uf 20% 50V C601 1-124-905-11 ELECT 2. 2uf 20% 100V C201 1-124-907-11 ELECT 10uf 20% 50V C601 1-124-905-11 ELECT 2. 2uf 20% 100V C601 1-124-907-11 ELECT 2	C151	1-124-907-11	ELECT	10 u F	20%	50V	C495	1-136-272-00	FILM	68PF 5%	6301	/ (WR 8 7 F 9)
C154							I					
C181	C154									22011 070	000	(11111110)
C201 1-136-157-00 FILM							C496	1-136-165-00	FILM	0 1uF	5%	50V
C498 1-136-153-00 FILM 0.01uF 5% 50V C202 1-162-294-31 CERAMIC 0.001uF 10% 50V C203 1-161-375-00 CERAMIC 0.0022uF 20% 50V C204 1-130-475-00 MYLAR 0.0022uF 5% 50V C205 1-130-475-00 MYLAR 0.0022uF 5% 50V C206 1-136-174-00 FILM 0.56uF 5% 50V C207 1-136-171-00 FILM 0.33uF 5% 50V C208 1-124-997-11 ELECT 47uF 20% 16V (WR87ES) C207 1-136-171-00 FILM 0.33uF 5% 50V C208 1-124-907-11 ELECT 10uF 20% 50V C209 1-124-126-00 ELECT 47uF 20% 100V C209 1-124-126-00 ELECT 47uF 20% 10V C210 1-124-907-11 ELECT 10uF 20% 50V C211 1-124-903-11 ELECT 10uF 20% 50V C211 1-124-903-11 ELECT 10uF 20% 50V C211 1-124-903-11 ELECT 10uF 20% 50V C602 1-162-286-31 CERAMIC 220PF 10% 50V C604 1-124-925-11 ELECT 2.2uF 20% 100V												
C202 1-162-294-31 CERAMIC 0.001uF 10% 50V C506 1-124-903-11 ELECT 1uF 20% 50V C203 1-161-375-00 CERAMIC 0.0022uF 20% 50V C542 1-124-925-11 ELECT 2.2uF 20% 100V C204 1-130-475-00 MYLAR 0.0022uF 5% 50V C591 1-126-927-11 ELECT 2200uF 20% 10V C206 1-136-174-00 FILM 0.56uF 5% 50V C592 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-925-11 ELECT 2.2uF 20% 100V C208 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2.2uF 20% 100V C209 1-124-126-00 ELECT 47uF 20% 10V C601 1-124-925-11 ELECT 2.2uF 20% 100V C209 1-124-907-11 ELECT 47uF 20% 50V C601 1-124-925-11 ELECT 2.2uF 20% 100V C210 1-124-907-11 ELECT 10uF 20% 50V C602 1-162-286-31 CERAMIC 220PF 10% 50V C604 1-124-903-11 ELECT 2.2uF 20% 100V C604 1-124-925-11 ELECT 2.2uF 20% 100V C				********	0,0	•••						
C203 1-161-375-00 CERAMIC 0.0022uF 20% 50V C542 1-124-925-11 ELECT 2.2uF 20% 100V C204 1-130-475-00 MYLAR 0.0022uF 5% 50V C591 1-126-927-11 ELECT 2200uF 20% 10V C206 1-136-174-00 FILM 0.56uF 5% 50V C592 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-925-11 ELECT 2.2uF 20% 100V C208 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2.2uF 20% 100V C209 1-124-126-00 ELECT 47uF 20% 10V C209 1-124-126-00 ELECT 47uF 20% 10V C210 1-124-907-11 ELECT 10uF 20% 50V C602 1-162-286-31 CERAMIC 220PF 10% 50V C211 1-124-903-11 ELECT 1uF 20% 50V C603 1-162-286-31 CERAMIC 220PF 10% 50V C604 1-124-925-11 ELECT 2.2uF 20% 100V C604 1-124-925-11 ELECT 2.2uF 20% 100V	C202	1-162-294-31	CERAMIC	0. 001uF	10%	50V						
C204 1-130-475-00 MYLAR 0.0022uF 5% 50V C591 1-126-927-11 ELECT 220uF 20% 10V C206 1-136-174-00 FILM 0.56uF 5% 50V C592 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-925-11 ELECT 2.2uF 20% 100V C208 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2.2uF 20% 100V C209 1-124-126-00 ELECT 47uF 20% 10V C209 1-124-126-00 ELECT 47uF 20% 10V C210 1-124-907-11 ELECT 10uF 20% 50V C602 1-162-286-31 CERAMIC 220PF 10% 50V C211 1-124-903-11 ELECT 1uF 20% 50V C603 1-162-286-31 CERAMIC 220PF 10% 50V C604 1-124-925-11 ELECT 2.2uF 20% 100V C604 1-1												
C205 1-130-475-00 MYLAR 0.0022uF 5% 50V C591 1-126-927-11 ELECT 220uF 20% 10V C206 1-136-174-00 FILM 0.56uF 5% 50V C592 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-925-11 ELECT 2.2uF 20% 100V C208 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2.2uF 20% 100V C209 1-124-126-00 ELECT 47uF 20% 10V C209 1-124-907-11 ELECT 10uF 20% 50V C602 1-162-286-31 CERAMIC 220PF 10% 50V C211 1-124-903-11 ELECT 1uF 20% 50V C603 1-162-286-31 CERAMIC 220PF 10% 50V C604 1-124-925-11 ELECT 2.2uF 20% 100V C604 1								. 127 320 11		2. 241	20/0	1007
C206 1-136-174-00 FILM 0.56uF 5% 50V C592 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-589-11 ELECT 47uF 20% 16V (WR87ES) C593 1-124-589-11 ELECT 2.2uF 20% 16V (WR87ES) C593 1-124-925-11 ELECT 2.2uF 20% 100V C208 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2.2uF 20% 100V C209 1-124-126-00 ELECT 47uF 20% 10V C210 1-124-907-11 ELECT 10uF 20% 50V C602 1-162-286-31 CERAMIC 220PF 10% 50V C211 1-124-903-11 ELECT 1uF 20% 50V C603 1-162-286-31 CERAMIC 220PF 10% 50V C604 1-124-925-11 ELECT 2.2uF 20% 100V							C591	1-126-927-11	FLECT	220045	20%	1.0.V
C207 1-136-171-00 FILM 0.33uF 5% 50V C599 1-124-925-11 ELECT 2.2uF 20% 16V (WR87ES) C208 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2.2uF 20% 100V C209 1-124-126-00 ELECT 47uF 20% 10V C210 1-124-907-11 ELECT 10uF 20% 50V C602 1-162-286-31 CERAMIC 220PF 10% 50V C211 1-124-903-11 ELECT 1uF 20% 50V C603 1-162-286-31 CERAMIC 220PF 10% 50V C604 1-124-925-11 ELECT 2.2uF 20% 100V												
C207 1-136-171-00 FILM 0.33uF 5% 50V C599 1-124-925-11 ELECT 2.2uF 20% 100V C208 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2.2uF 20% 100V C209 1-124-126-00 ELECT 47uF 20% 10V C210 1-124-907-11 ELECT 10uF 20% 50V C602 1-162-286-31 CERAMIC 220PF 10% 50V C211 1-124-903-11 ELECT 1uF 20% 50V C603 1-162-286-31 CERAMIC 220PF 10% 50V C604 1-124-925-11 ELECT 2.2uF 20% 100V				7. TTWI			1					
C208 1-124-907-11 ELECT 10uF 20% 50V C601 1-124-925-11 ELECT 2.2uF 20% 100V C209 1-124-126-00 ELECT 47uF 20% 10V C210 1-124-907-11 ELECT 10uF 20% 50V C602 1-162-286-31 CERAMIC 220PF 10% 50V C211 1-124-903-11 ELECT 1uF 20% 50V C603 1-162-286-31 CERAMIC 220PF 10% 50V C604 1-124-925-11 ELECT 2.2uF 20% 100V	C207	1-136-171-00	FILM	0.33uF	5%	50V						
C210 1-124-907-11 ELECT 47uF 20% 10V C210 1-124-907-11 ELECT 10uF 20% 50V C602 1-162-286-31 CERAMIC 220PF 10% 50V C211 1-124-903-11 ELECT 1uF 20% 50V C603 1-162-286-31 CERAMIC 220PF 10% 50V C604 1-124-925-11 ELECT 2.2uF 20% 100V							l .					
C210 1-124-907-11 ELECT 10uF 20% 50V C602 1-162-286-31 CERAMIC 220PF 10% 50V C603 1-162-286-31 CERAMIC 220PF 10% 50V C604 1-124-925-11 ELECT 2.2uF 20% 100V							0001	1 127 320 11	LLLVI	4. LUI	£ U /0	1004
C211 1-124-903-11 ELECT 1uF 20% 50V C603 1-162-286-31 CERAMIC 220PF 10% 50V C604 1-124-925-11 ELECT 2.2uF 20% 100V							0602	1-162-226-21	CERAMIC	220PF	1.00/	501/
C604 1-124-925-11 ELECT 2.2uF 20% 100V							1					
				. •••	- 4/4		1					
							C605			2. 2ur 0. 022uF	20% 5%	50V

INCLUDING HX PRO(A), HX PRO(B), TRANSLATION(A), TRANSLATION(B), MPX, POWER SW

	Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description			Remark
1-124-125-0 LECT	C608	1-124-925-11	ELECT		100V	4			100PF	5%	
1-128-101-11 ELECT 1010-1 20% 1010-1 20% 1010-1 1010-1 20% 1010-1 1010-1 20% 1010-1 1010-1 20% 1010-1 1010-1 20% 1010-1 1010-1 1010-1 20% 1010-1 1010-1 1010-1 20% 1010-1 1010-1 1010-1 1010-1 20% 1010-1 1010-1 1010-1 1010-1 20% 1010-1											
1-124-982-00 ELECT 100						1					
		1-126-101-11	ELECT			C0495	1-136-437-11	FILM	220PF	5% 6	30V (WR775)
COLOR	C694	1-124-902-00	ELECT	0. 47 uF 20%	50V						
	C701	1-124-443-00	ELECT	100uF 20%	10V	C0496	1-136-165-00	FILM	0. 1uF	5%	50V
1-124-925-11 ELECT 2.7 2.8 100						C0497	1-136-157-00	FILM	0.022uF	5%	50V
	C702	1-124-122-11	ELECT	100uF 20%	50V	C0498	1-136-153-00	FILM	0.01uF	5%	50 V
1-124-925-11 ELECT	C703	1-124-925-11	ELECT	2. 2uF 20%	100V	C0691	1-107-046-00	MICA	4. 7PF		500V
1-124-925-11 ELECT	C704	1-124-911-11	ELECT	220uF 20%	50V	C0692	1-124-126-00	ELECT	47uF	20%	10V
1-124-564-11 ELECT	C705	1-124-927-11	ELECT	4. 7uF 20%	100V						
	C707	1-124-925-11	ELECT	2. 2 u F 20%	100V	C0693	1-126-101-11	ELECT	100uF	20%	16V
			*			C0694	1-124-902-00	ELECT	0. 47uF	20%	5 0 V
	C708	1-124-564-11	ELECT	4700uF 20%	25V						
C711	C709			47uF 20%	10V			< CONNECTOR >			
1-128-946-11 ELECT 6800F 20% 25V CM502 81-568-826-11 SOCKET, CONNECTOR PP	C710	1-126-927-11	ELECT	2200uF 20%	10 V						
C712	C711	1-126-927-11	ELECT	2200uF 20%	10V	CN501 *	1-568-824-11	SOCKET, CONNEC	TOR 5P		
C13				6800uF 20%	25V	CN502 *	1-568-824-11	SOCKET, CONNEC	TOR 5P		
1-124-443-00 ELECT 100						CN503 *	1-568-826-11	SOCKET. CONNEC	TOR 7P		
1-124-443-00 ELECT 100	C713	1-161-494-00	CERAMIC	0. 022uF	25V	CN504 *	1-568-826-11	SOCKET. CONNEC	TOR 7P		
C802	C801	1-124-443-00	ELECT	100uF 20%	10V						
1-184-159-11 CERAMIC 100uf 20% 10V CN505 * 1-568-824-11 SOCKET, CONNECTOR 5P (WR87ES)	C802			0. 1uF	50V	CN505 *	1-564-337-00	PIN. CONNECTOR	3P (WR7	75)	
CR04		1-164-159-11	CERAMIC		50V)
CR805 1-124-925-11 ELECT 2. 2 UF 20% 100V CR807 1-136-165-00 FILM 0. 1 UF 5% 50V CR807 1-136-165-00 FILM 0. 0 001 UF 10% 50V CR701 1-1564-338-00 PIN, CONNECTOR 7P (WR87ES) CR801 1-162-284-31 CERAMIC 0. 001 UF 10% 50V CR701 1-1564-339-00 PIN, CONNECTOR 7P (WR77ES) CR802 1-162-285-31 CERAMIC 180PF 10% 50V (WR87ES) CR802 1-1568-828-11 SOCKET, CONNECTOR 7P CR803 1-162-288-31 CERAMIC 330PF 10% 50V (WR87ES) CR803 1-1568-828-11 SOCKET, CONNECTOR 9P CR803 1-136-433-11 FILM 100PF 5% 630V (WR87ES) CR803 1-1568-828-11 SOCKET, CONNECTOR 9P CR803 1-136-433-11 FILM 100PF 5% 630V (WR87ES) CR803 1-1568-828-11 SOCKET, CONNECTOR 9P CR803 1-136-433-11 FILM 100PF 5% 630V (WR87ES) CR803 1-1568-828-11 SOCKET, CONNECTOR 9P CR803 1-136-437-11 FILM 100PF 5% 630V (WR87ES) CR803 1-1568-828-11 SOCKET, CONNECTOR 7P CR803 1-136-437-11 FILM 100PF 5% 630V (WR87ES) CR803 1-1568-828-11 SOCKET, CONNECTOR 9P CR803 1-136-437-11 FILM 100PF 5% 630V (WR87ES) CR803 1-1568-828-11 SOCKET, CONNECTOR 7P CR803 1-1568-828-11 SOCKET, CONNECTOR 1P CR803 1-1568-8					10V						
C806						CN506 *	1-568-848-11	SOCKET, CONNEC	TOR 5P (WR87ES)
C886	C805	1-124-925-11	ELECT	2. 2uF 20%	100V	CN601 *	1-564-509-11	PLUG. CONNECTO	R 6P		
C887 1-136-165-00 FILM	C806	1-136-165-00	FILM	0.1uF 5%.	50V	}					
C851 1-124-902-00 ELECT 0.47uF 20% 50V CN701 * 1-564-338-00 PIN. CONNECTOR 4P (WR87ES) C851 1-162-294-31 CERAMIC 0.001uF 10% 50V CN701 * 1-564-338-00 PIN. CONNECTOR 4P (WR87ES) C0391 1-135-273-91 FILM 75PF 5% 630V (WR87ES) CN701 * 1-564-338-00 PIN. CONNECTOR 5P (WR775) C0392 1-162-285-31 CERAMIC 180PF 10% 50V (WR87ES) CN803 * 1-568-828-11 SOCKET. CONNECTOR 9P C0392 1-162-288-31 CERAMIC 330PF 10% 50V (WR775) CN803 * 1-568-828-11 SOCKET. CONNECTOR 9P C0393 1-136-472-00 MYLAR 560PF 5% 50V (WR87ES) CN805 * 1-568-828-11 SOCKET. CONNECTOR 9P C0394 1-136-433-11 FILM 100PF 5% 630V (WR87ES) CN805 * 1-568-828-11 SOCKET. CONNECTOR 9P C0395 1-136-272-00 FILM 68PF 5% 630V (WR87ES) CN805 * 1-568-828-11 SOCKET. CONNECTOR 7P C0396 1-136-153-00 FILM 0.1uF 5% 50V CN9691 * 1-568-5347-11 SOCKET. CONNECTOR 7P C0397 1-136-153-00 FILM 0.1uF 5% 50V CN9691 * 1-568-5347-11 SOCKET. CONNECTOR 7P C0491 1-136-273-91 FILM 0.01uF 5% 50V	C807	1-136-165-00	FILM	0.1uF 5%	50V						
C861 1-162-294-31 CERAMIC CRAMIC CRAMI	C851	1-124-902-00	ELECT	0.47uF 20%		CN701 *	1-564-338-00	PIN. CONNECTOR	4P (WR8	7ES)	
C0391	C861	1-162-294-31	CERAMIC	0.001uF 10%	50V	CN701 *	1-564-339-00	PIN. CONNECTOR	5P (WR7	75)	
C0391	C0391	1-136-273-91	FILM	75PF 5% 631	OV (WR775)	CN703 *	: 1-564-510-11	PING. CONNECTO	1R 7P		
C0392 1-162-285-31 CERAMIC 330PF 10% 50V (WR87ES) C0392 1-162-288-31 CERAMIC 330PF 10% 50V (WR87ES) C0393 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) C0393 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR775) C0394 1-136-433-11 FILM 100PF 5% 630V C0395 1-136-272-00 FILM 68PF 5% 630V (WR87ES) C0396 1-136-437-11 FILM 220PF 5% 630V (WR775) C0397 1-136-157-00 FILM 0.022uF 5% 50V C0398 1-136-153-00 FILM 0.022uF 5% 50V C0399 1-136-153-00 FILM 0.022uF 5% 50V C0399 1-136-273-91 FILM 0.022uF 5% 50V C0390 1-136-273-91 FILM 0.022uF 5% 50V C0391 1-136-273-91 FILM 0.022uF 5% 50V C0392 1-162-285-31 CERAMIC 330PF 10% 50V (WR87ES) C0492 1-162-285-31 CERAMIC 330PF 10% 50V (WR87ES) C0493 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) C0493 1-130-472-00 MYLA											
C0392	00001	1 100 500 11		2211 0/0 : 000) (MIOTEO)						
C0392 1-162-288-31 CERAMIC 330PF 10% 50V (WR775) CN804 * 1-568-828-11 SOCKET, CONNECTOR 9P C0393 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) CN805 * 1-568-828-11 SOCKET, CONNECTOR 9P C0394 1-136-433-11 FILM 100PF 5% 630V (WR87ES) CN806 * 1-568-826-11 SOCKET, CONNECTOR 7P C0395 1-136-272-00 FILM 68PF 5% 630V (WR87ES) CNP691 * 1-565-347-11 SOCKET, CONNECTOR 7P C0396 1-136-37-11 FILM 220PF 5% 630V (WR775) CNP691 * 1-565-347-11 SOCKET, CONNECTOR (PC BOARD) 8P C0397 1-136-165-00 FILM 0. 1 UF 5% 50V (WR775) CNP691 * 1-565-347-11 SOCKET, CONNECTOR (PC BOARD) 8P C0398 1-136-165-00 FILM 0. 0.22 UF 5% 50V (WR775) CNP691 * 1-565-347-11 SOCKET, CONNECTOR (PC BOARD) 8P C0399 1-136-165-00 FILM 0. 0.01 UF 5% 50V (WR775) CNP691 * 1-565-347-11 SOCKET, CONNECTOR (PC BOARD) 8P C0391 1-136-165-00 FILM 0. 0.01 UF 5% 50V (WR775) D311 8-719-912-20 D10DE 1SS120 C0491 1-136-35-11 FILM 22PF 5% 630V (WR775) D501 8-719-912-20 D10DE 1SS120 C0491 1-136-35-31 CERAMIC 180PF 10% 50V (WR87ES) D502 8-719-912-20 D10DE 1SS120 C0492 1-162-288-31 CERAMIC 330PF 10% 50V (WR87ES) D571 8-719-912-20 D10DE 1SS120 C0493 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) D572 8-719-01-36 D10DE UZL-11L2 C0493 1-130-472-00 MYLAR 0.0012 UF 5% 50V (WR87ES) D602 8-719-912-20 D10DE 1SS120 C0493 1-130-472-00 MYLAR 0.0012 UF 5% 50V (WR87ES) D602 8-719-912-20 D10DE 1SS120	C0302	1-162-285-31	CERAMIC	180PF 10% 50	1V /WP27F91	1					
C0393 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) CN805 * 1-568-828-11 SOCKET, CONNECTOR 9P CN806 * 1-568-828-11 SOCKET, CONNECTOR 7P CN806 * 1-568-828-11 SOCKET, CONNECTOR 7P CN806 * 1-568-826-11 SOCK						1					
C0393 1-130-472-00 MYLAR	00032	1-102-200-31	CENAMIC	33011 10% 31	0 (MN110)	UNOU4 +	1-300-020-11	SOCKET, CONNEC	TON SE		
C0394 1-136-433-11 FILM 100PF 5% 630V (WR87ES) C0395 1-136-272-00 FILM 68PF 5% 630V (WR87ES) C0395 1-136-437-11 FILM 220PF 5% 630V (WR775) C0396 1-136-157-00 FILM 0.1uF 5% 50V (WR775) C0397 1-136-157-00 FILM 0.01uF 5% 50V (WR775) C0398 1-136-153-00 FILM 0.01uF 5% 50V (WR775) C0491 1-136-273-91 FILM 75PF 5% 630V (WR775) C0491 1-136-335-11 FILM 22PF 5% 630V (WR775) C0491 1-136-335-11 FILM 22PF 5% 630V (WR87ES) C0492 1-162-285-31 CERAMIC 180PF 10% 50V (WR87ES) C0493 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) C0493 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) C0493 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR775) C0493 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR87ES) C0493 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR775) C0494 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR775) C0495 1-162-280-31 CERAMIC 0.0012uF 5% 50V (WR87ES) C0496 1	C0393	1-130-468-00	MYLAR	560PF 5% 50	OV (WR87ES)	CN805 *	1-568-828-11	SOCKET, CONNEC	TOR 9P		
C0394 1-136-433-11 FILM 100PF 5% 630V C0395 1-136-272-00 FILM 68PF 5% 630V (WR87ES) C0395 1-136-437-11 FILM 220PF 5% 630V (WR775) C0396 1-136-165-00 FILM 0.1uF 5% 50V C0397 1-136-157-00 FILM 0.022uF 5% 50V C0398 1-136-153-00 FILM 0.01uF 5% 50V C0398 1-136-273-91 FILM 75PF 5% 630V (WR775) C0491 1-136-273-91 FILM 75PF 5% 630V (WR87ES) C0491 1-136-285-31 CERAMIC 180PF 10% 50V (WR87ES) C0492 1-162-285-31 CERAMIC 330PF 10% 50V (WR87ES) C0493 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) C0493 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) C0493 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR87ES) C0493 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR87ES) C0493 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR87ES) C0494 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR87ES) C0495 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR87ES) C0496 2-719-912-20 DIODE 1SS120 D572 8-719-001-36 DIODE UZL-1112 D601 8-719-912-20 DIODE 1SS120 D602 8-719-912-20 DIODE 1SS120	C0393	1-130-472-00	MYLAR	0.0012uF 5% 50	OV (WR775)	CN806 *	1-568-834-11	SOCKET. CONNEC	TOR 15P		
C0395 1-136-272-00 FILM 68PF 5% 630V (WR87ES) C0395 1-136-437-11 FILM 220PF 5% 630V (WR87ES) C0396 1-136-165-00 FILM 0. 1uF 5% 50V C0397 1-136-157-00 FILM 0. 0. 022uF 5% 50V C0398 1-136-153-00 FILM 0. 0. 01uF 5% 50V C0398 1-136-273-91 FILM 75PF 5% 630V (WR775) C0491 1-136-273-91 FILM 75PF 5% 630V (WR87ES) C0491 1-136-285-31 CERAMIC 180PF 10% 50V (WR87ES) C0492 1-162-288-31 CERAMIC 330PF 10% 50V (WR87ES) C0493 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) C0493 1-130-472-00 MYLAR 0. 0012uF 5% 50V (WR87ES) C0493 1-130-472-00 MYLAR 0. 0012uF 5% 50V (WR775) C0493 1-130-472-00 MYLAR 0. 0012uF 5% 50V (WR775) C0494 1-130-472-00 MYLAR 0. 0012uF 5% 50V (WR87ES) C0495 1-130-472-00 MYLAR 0. 0012uF 5% 50V (WR87ES) C0496 1 1-565-347-11 SOCKET. CONNECTOR (PC BOARD) 8P CNP0691 * 1-565-347-11 SOCKET. CONNECTOR (PC BOARD) 8						CN0691 *	1-568-826-11	SOCKET, CONNEC	TOR 7P		
C0395 1-136-272-00 FILM 220PF 5% 630V (WR87ES) CNP691 * 1-565-347-11 SOCKET, CONNECTOR (PC BOARD) 8P C0395 1-136-437-11 FILM 220PF 5% 630V (WR775) CNP691* 1-565-347-11 SOCKET, CONNECTOR (PC BOARD) 8P C0396 1-136-165-00 FILM 0.1 uF 5% 50V C0397 1-136-157-00 FILM 0.02 uF 5% 50V C0398 1-136-153-00 FILM 0.01 uF 5% 50V D131 8-719-912-20 D10DE 1SS120 D231 8-719-912-20 D10DE 1SS120 D231 8-719-912-20 D10DE 1SS120 D503 8-719-912-20 D10DE 1SS120 D503 8-719-912-20 D10DE 1SS120 D503 8-719-933-54 D10DE HZS9A2L D503 8-719-933-54 D10DE HZS9A2L D504 S04 D10DE 1SS120 D572 8-719-001-36 D10DE UZL-11L2 D572 8-719-013-6 D10DE 1SS120 D572 8-719-013-20 D10DE 1SS120 D572 8-719-013-20 D10DE 1SS120 D572 8-719-013-20 D10DE 1SS120 D573 8-719-013-20 D10DE 1SS120 D574 8-719-013-20 D10DE 1SS120 D575 8-719-013-20 D10DE 1SS	C0394	1-136-433-11	FILM	100PF 5%	630V						
C0395 1-136-437-11 FILM 220PF 5% 630V (WR775) CNP0691* 1-565-347-11 SOCKET, CONNECTOR (PC BOARD) 8P C0396 1-136-165-00 FILM 0.1uF 5% 50V C0397 1-136-157-00 FILM 0.022uF 5% 50V D131 8-719-912-20 D10DE 1SS120 D231 8-719-912-20 D10DE 1SS120 D231 8-719-912-20 D10DE 1SS120 D231 8-719-912-20 D10DE 1SS120 D231 8-719-912-20 D10DE 1SS120 D502 8-719-912-20 D10DE 1SS120 D503 8-719-912-20 D10DE 1SS120 D503 8-719-933-54 D10DE HZS9A2L C0491 1-136-935-11 FILM 22PF 5% 630V (WR87ES) D502 8-719-933-54 D10DE HZS9A2L C0492 1-162-285-31 CERAMIC 330PF 10% 50V (WR87ES) D571 8-719-912-20 D10DE 1SS120 D572 8-719-912-20 D10DE 1SS120 D5						GNP506 *	1-564-505-11	PLUG, CONNECTO	R 2P (WR	87ES)	
C0395 1-136-437-11 FILM 220PF 5% 630V (WR775) CNP0691* 1-565-347-11 SOCKET. CONNECTOR (PC BOARD) 8P C0396 1-136-165-00 FILM 0.1uF 5% 50V C0397 1-136-157-00 FILM 0.022uF 5% 50V C0398 1-136-153-00 FILM 0.01uF 5% 50V D131 8-719-912-20 D10DE 1SS120 D231 8-719-912-20 D10DE 1SS120 D231 8-719-912-20 D10DE 1SS120 D231 8-719-912-20 D10DE 1SS120 D502 8-719-912-20 D10DE 1SS120 D503 8-719-933-54 D10DE HZS9A2L C0491 1-136-935-11 FILM 22PF 5% 630V (WR87ES) D502 8-719-912-20 D10DE HZS9A2L C0492 1-162-285-31 CERAMIC 180PF 10% 50V (WR87ES) D571 8-719-912-20 D10DE 1SS120 D572 8-719-001-36 D10DE UZL-11L2 D572 8-719-001-36 D10DE UZL-11L2 D572 8-719-012-20 D10DE 1SS120 D572 8-719-013-36 D10DE UZL-11L2 D6043 1-130-472-00 MYLAR 560PF 5% 50V (WR87ES) D601 8-719-912-20 D10DE 1SS120 D572 8-719-012-20 D10DE 1SS120 D572	C0395	1-136-272-00	FILM	68PF 5% 630	OV (WR87ES)	1			•		8 P
C0397 1-136-157-00 FILM 0.022uF 5% 50V C0398 1-136-153-00 FILM 0.01uF 5% 50V D131 8-719-912-20 DIODE 1SS120 D231 8-719-912-20 DIODE 1SS120	C0395	1-136-437-11	FILM		OV (WR775)						
C0397 1-136-157-00 FILM 0.022uF 5% 50V C0398 1-136-153-00 FILM 0.01uF 5% 50V D131 8-719-912-20 DIODE 1SS120 D231 8-719-912-20 DIODE 1SS120	C0306	1_136_165_00	FILM	0 1uE FW	501/			< DIODE >			
C0398 1-136-153-00 FILM 0.01uF 5% 50V D131 8-719-912-20 D10DE 1SS120 C0491 1-136-273-91 FILM 75PF 5% 630V (WR775) D501 8-719-912-20 D10DE 1SS120 C0491 1-136-935-11 FILM 22PF 5% 630V (WR87ES) D502 8-719-912-20 D10DE 1SS120 D503 8-719-933-54 D10DE HZS9A2L C0492 1-162-285-31 CERAMIC 180PF 10% 50V (WR87ES) C0492 1-162-288-31 CERAMIC 330PF 10% 50V (WR775) D571 8-719-912-20 D10DE 1SS120 D572 8-719-001-36 D10DE UZL-11L2 C0493 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) C0493 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR775) D602 8-719-912-20 D10DE 1SS120							•	(DIOUE >			
C0491 1-136-273-91 FILM 75PF 5% 630V (WR775) D501 8-719-912-20 D10DE 1SS120 C0491 1-136-935-11 FILM 22PF 5% 630V (WR87ES) D502 8-719-912-20 D10DE 1SS120 D503 8-719-933-54 D10DE HZS9A2L C0492 1-162-285-31 CERAMIC 180PF 10% 50V (WR87ES) C0492 1-162-288-31 CERAMIC 330PF 10% 50V (WR87FS) D571 8-719-912-20 D10DE 1SS120 D572 8-719-001-36 D10DE UZL-11L2 C0493 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) C0493 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR775) D602 8-719-912-20 D10DE 1SS120						0101	0 710 010 00	DIADE 100100			
C0491 1-136-273-91 FILM 75PF 5% 630V (WR775) D501 8-719-912-20 D10DE 1SS120 D502 8-719-912-20 D10DE 1SS120 D503 8-719-933-54 D10DE HZS9A2L D503 8-719-932-20 D10DE 1SS120 D572 8-719-001-36 D10DE UZL-11L2 D572 8-719-001-36 D10DE UZL-11L2 D504 B-719-912-20 D10DE 1SS120 D503 1-130-468-00 MYLAR D50PF 5% 50V (WR87ES) D601 8-719-912-20 D10DE 1SS120 D604 B709-912-20 D10DE 1SS120 D604 B709-912-20 D10DE 1SS120 D604 B709-912-20 D10DE 1SS120 D605 B709-912-20	00030	1-100-100-00	i i LIVI	0. 0 iur - 3%	30 V	1					
C0491 1-136-935-11 FILM 22PF 5% 630V (WR87ES) D502 8-719-912-20 D10DE 1SS120 D503 8-719-933-54 D10DE HZS9A2L D503 8-719-933-54 D10DE HZS9A2L D503 8-719-933-54 D10DE HZS9A2L D503 8-719-912-20 D10DE HZS9A2L D504 D504 D504 D504 D505 D504 D505 D506 D506 D506 D506 D506 D506 D506	00401	112627201	EHM	75DE 50/ 62/	N (MD775)	1					
C0492						i .					
C0492	00431	1-130-935-11	FILM	ZZFF 3% 03	u v (MKO(E))	1					
C0492 1-162-288-31 CERAMIC 330PF 10% 50V (WR775) D571 8-719-912-20 DIODE 1SS120 D572 8-719-001-36 DIODE UZL-11L2 C0493 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) D601 8-719-912-20 DIODE 1SS120 C0493 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR775) D602 8-719-912-20 DIODE 1SS120	C0402	1_160 005 01	CEDAMIC	100DE 100/ E	חוו (שט פיז בי כי)	U503	0-119-933-54	DIODE HZSYAZL			
C0493 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) D601 8-719-912-20 D10DE 1SS120 C0493 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR775) D602 8-719-912-20 D10DE 1SS120						0571	0 710 010 00	DIADE 400400			
C0493 1-130-468-00 MYLAR 560PF 5% 50V (WR87ES) D601 8-719-912-20 D10DE 1SS120 C0493 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR775) D602 8-719-912-20 D10DE 1SS120	00432	1-102-200-31	CERAMIC	SOUFF 10% 5	O V (WK (/ 13)						
C0493 1-130-472-00 MYLAR 0.0012uF 5% 50V (WR775) D602 8-719-912-20 D10DE 188120	00402	1_120_460.00	MVIAD	ECUDE EN E	N. /WD07EC\				:		
								· ·			
I DIVI 8-119-UVU-18 DIVUE HISTAIL	00493	1-100-412-00	MILLAN	0. 00 12UF 3% 3	(C) (NN) VU						
· ·						1010	0-119-000-18	MICHE HYSIAIL			

INCLUDING HX PRO(A), HX PRO(B), TRANSLATION(A), TRANSLATION(B), MPX, POWER SW

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D702	8-719-912-20	DIODE 188120	1			< FILTER >	,
D703	8-719-200-77						
D704	8-719-200-77					FILTER, LOW PASS (WR775)	
D705	8-719-200-77			LPF101	1-236-147-11	FILTER, LOW PASS (WR87ES)	
D706	8-719-912-20	DIODE 188120					
0707	0 740 000 77	DIADE AAFON		LPF201		FILTER, LOW PASS (WR775)	
D707	8-719-200-77			LPF201	1-236-14/-11	FILTER, LOW PASS (WR87ES)	
D708	8-719-200-77					. 70.440.4700	
D709		DIODE HZS7A1L				< TRANSISTOR >	
D710 D711	8-719-200-77			0101	0 700 000 74	TRANSLATAR REALISTS	
וווע	8-719-200-77	DIODE TOEZN		0101		TRANSISTOR DTC143TS	
D712	0_710_022_22	DIODE HZS7A1L		0102		TRANSISTOR DTC143TS	
D712		DIODE UZL-7H1		0121		TRANSISTOR 2SD1012-FG	
D801		DIODE 188120		0171		TRANSISTOR 2SD1012-FG	
D811		DIODE 188120		0201	0-129-900-14	TRANSISTOR DTC143TS	
D811		DIODE 188120		0000	0.300 000 34	TRANSPORTAGE STATE OF THE STATE	
0012	0-119-312-20	01002 133120		0202		TRANSISTOR DTC143TS	
		< 10 >		0221		TRANSISTOR 2SD1012-FG	
		V 10 /	ĺ	Q271 Q501		TRANSISTOR 2SD1012-FG	
10501	8-752-035-94	IC CYA13319		Q501 Q502		TRANSISTOR DTA144ES TRANSISTOR DTA144ES	
10501	8-759-945-58			Q302	0-129-900-03	IRANSISIUR DIAI44ES	
10504	8-759-945-58			Q503	9_720_000_66	TRANSISTOR DTA144ES	
10506		IC uPD4053BC		Q504		TRANSISTOR DTA144ES	
10509		IC CXA1198AP		Q505		TRANSISTOR DTC144ES	
10000	0 102 000 02	TO OMNITOON		Q521		TRANSISTOR DTA114ES	
10510	8-759-208-06	IC TC4051BPHB		0551		TRANSISTOR DTA114ES	
10511		IC CXA1198AP		4001	0-125-300-01	TRANSTOTOR DIATIALS	
	0 102 000 02	TO OMMITTOOM		0552	8-720-821-31	TRANSISTOR 2SD1012-FG	
10601	8-759-634-50	1C M5218AL (WR87ES)		0553		TRANSISTOR 2SD1012-FG	
10601		IC M5218AP (WR775)		Q571		TRANSISTOR DTA144ES	
, , , ,	0 100 004 01	TO MOZIONI (MITTO)		0572		TRANSISTOR 2SA1317-STU	
10691	8-759-106-56	IC uPC1297CA		Q601		TRANSISTOR DTC144ES	
10701	8-759-945-58			0001	0 123 300 03	THANGISTON DICI44ES	
10802		IC M50925SP-482SP		0701	8-729-111-55	TRANSISTOR 2SD1312-K	
IC803	8-759-634-84			0702		TRANSISTOR 2SC2603-EF	
10804	8-759-240-50			0703		TRANSISTOR 2SA1317-STU	
				0704		TRANSISTOR 2SB1370-EF	
10805	8-759-207-05	IC TA7272P		0705		TRANSISTOR 2SB1370-EF	
IC806		IC MC14052BCP		4,00	0 120 024 00	THANKSTOTON ZODIOTO ET	
1C807	8-759-000-48	IC MC14052BCP		Q706	8-729-900-85	TRANSISTOR DTC144WS	
100691	8-759-106-56	IC uPC1297CA		Q707		TRANSISTOR 2SD1312-K	
				0708		TRANSISTOR DTC144ES	
		< JACK >		0801		TRANSISTOR 2SB1013-3	
				0802		TRANSISTOR 2SB1013-3	
J301	1-565-258-11	JACK, PIN 4P (LINE IN/OUT) (WR7	75)				
J301	1-568-069-11	JACK, PIN 4P (INLE IN/OUT) (WR8	7ES)	0803	8-729-900-61	TRANSISTOR DTA114ES	
				Q804	8-729-900-80	TRANSISTOR DTC114ES	
		< COIL >		Q805	8-729-900-61	TRANSISTOR DTA114ES	
				0806		TRANSISTOR DTA114ES	
L391	1-410-780-11			Q807	8-729-821-04	TRANSISTOR 2SA1317-STU	
L491	1-410-780-11						
L0391	1-410-780-11			Q851		TRANSISTOR DTA114ES	
L0491	1-410-780-11	INDUCTOR 27mH		Q852		TRANSISTOR DTC144ES	
				Q853		TRANSISTOR DTA114ES	
				Q854	8-729-900-89	TRANSISTOR DTC144ES	
				Q891	8-729-900-61	TRANSISTOR DTA114ES	

INCLUDING HX PRO(A), HX PRO(B), TRANSLATION(A), TRANSLATION(B), MPX, POWER SW

Ref. No.	Part No.	Description			Remark	Ref. N		Description				Remark
		< RESISTOR >				I R231	1-249-408-11		180		5%	1/4W
						R232	1-247-870-11		43 K		5%	1/4W
R101	1-249-423-11	CARBON	3.3K	5%	1/4W	R233	1-249-421-11		2. 2K		5%	1/4W
R102	1-247-887-00		220K	5%	1/4W	R234	1-249-435-11		33K		5%	1/4W
R103	1-249-441-11		100K	5%	1/4W	R251	1-249-425-11		4. 7K		5%	1/4W
R104	1-249-423-11		3. 3 K	5%	1/4W	1201	1-249-420-11	CANDON	4. / N		070	1/411
R105	1-249-428-11		8. 2 K	5%	1/4W	R253	104040111	CADDON	2.2K		E 0/	1/4W
K100	1-249-420-11	CARDUN	0. ZN	376	1/4 m		1-249-421-11				5%	,
D400 .	1 047 004 11	O A D D O M	V 11/	E6/	4 / 414	R255	1-249-426-11		5. 6 K		5%	1/4W
R106	1-247-864-11		24K	5%	1/4W	R256	1-249-429-11		10 K		5%	1/4W
R107	1-249-414-11		560	5%	1/4W	R271	1-249-433-11		2 2 K		5%	1/4W
R119	1-249-421-11		2.2K	5%	1/4W	R272	1-249-417-11	CARBON	1 K		5%	1/4W
R121	1-249-425-11	,	4.7K	5%	1/4W							
R124	1-249-426-11	CARBON	5.6K	5%	1/4W	R273	1-249-430-11	CARBON	12K	5%	_ 1	/4W (WR775)
						R273	1-249-431-11	CARBON	15K	5%	1	/4W (WR87ES)
R125	1-249-421-11	CARBON'	2.2K	5%	1/4W							
R126	1-249-429-11	CARBON	10K	5%	1/4W	R274	1-249-421-11	CARBON	2.2K		5%	1/4W
R131	1-249-408-11	CARBON	180	5%	. 1/4W							
R132	1-247-870-11	CARBON	43 K	5%	1/4W	R281	1-249-429-11	CARBON	10K	5%	1	/4W (WR775)
R133	1-249-421-11		2. 2K	5%	1/4W	R281	1-249-433-11		22K	5%		/4W (WR87ES)
				***	, ,,,	1,720	, 2,0 ,00 ,,	071110011		070	'	, 411 (111101 20)
R134	1-249-435-11	CARRON	33K	5%	1/4W	R282	1-249-421-11	CARRON	2. 2K	5%	1	/4W (WR87ES)
R151	1-249-425-11		4. 7K	5%	1/4W	R283	1-249-433-11		2. 2 K	5%		
R153	1-249-421-11		2. 2K	5%	1/4W	1200	1-243-400-11	CANDON	221	070	,	/4W (WR87ES)
R155	1-249-421-11		5. 6 K	5%	1/4W	0004	1 040 405 11	040000	100	E0/		/40/ (000375)
					•	R284	1-249-405-11		100	5%		/4W (WR775)
R156	1-249-429-11	CARBON	10K	5%	1/4W	R284	1-249-409-11	CARBON	220	5%	1	/4W (WR87ES)
0171	1 040 400 11	O A D D O VI	004	F0/	4 / 80		4 040 400 44	0.1.00.011	4 00			
R171	1-249-433-11		22K	5%	1/4W	R291	1-249-420-11	CARBON	1.8K		5%	1/4W
R172	1-249-417-11	CARBON	1 K	5%	1/4W							
						R391	1-249-428-11		8. 2K	5%		/4W (WR87ES)
R173	1-249-430-11				/4W (WR775)	R391	1-249-430-11	CARBON	12K	5%	1	/4W (WR775)
R173	1-249-431-11	CARBON	15K 8	1 1	/4W (WR87ES)							
						R392	1-247-883-00	CARBON	150K	5%	1	/4W (WR775)
R174	1-249-421-11	CARBON	2.2K	5%	1/4W	R392	1-247-884-11	CARBON	160K	. 5%	1	/4W (WR87ES)
					•							
R181	1-249-429-11	CARBON	10K	% 1	/4W (WR775)	R393	△ 1-212-857-00	FUSIBLE	10		5%	1/4W F
R181	1-249-433-11	CARBON	22K - 5	% 1	/4W (WR87ES)							
						R394	1-249-431-11	CARBON	15K	5%	. 1	/4W (WR775)
R182	1-249-421-11	CARBON	2. 2K	% 1	/4W (WR87ES)	R394	1-249-432-11	CARBON	18K	5%	1.	/4W (WR87ES)
R183	1-249-433-11	CARBON	22K 5	% 1	/4W (WR87ES)							
						R395	1-247-854-11	CARBON	9.1K	5%	1	/4W (WR87ES)
R184	1-249-405-11	CARBON	100	% 1	/4W (WR775)	R395	1-247-862-11	CARBON	20K	5%		/4W (WR775)
R184	1-249-409-11				/4W (WR87ES)					•,,	•	, (,,
					, (R491	1-249-428-11	CARRON	8. 2 K	5%	1	/4W (WR87ES)
R191	1-249-420-11	CARRON	1.8K	5%	1/4W	R491	1-249-430-11					/4W (WR775)
R201	1-249-423-11		3. 3 K	5%	1/4W	11431	1 243 400 11	ONIDON	121	J/0	1.	/ 4H (HN (10)
R202	1-247-887-00		220K	5%	1/4W	0.400	1-247-883-00	CADDON	1500	E 0/	4	/ AU
						R492			150K			/4W (WR775)
R203	1-249-441-11		100K	5%	1/4W	R492	1-247-884-11	CARBUN	160K	5%	1	/4W (WR87ES)
R204	1-249-423-11	CARBON	3.3K	5%	1/4W			#11A . B . #				
						R493	△ 1-212-857-00	FUSIBLE	10		5%	1/4W F
R205	1-249-428-11		8. 2K	5%	1/4W							
R206	1-247-864-11		24K	5%	1/4W	R494	1-249-431-11		15K	5%		/4W (WR775)
R207	1-249-414-11	CARBON	560	5%	1/4W	R494	1-249-432-11	CARBON	18K	5%	1	/4W (WR87ES)
R219	1-249-421-11	CARBON	2.2K	5%	1/4W							
						R495	1-247-854-11	CARBON	9.1K	5%	1	/4W (WR87ES)
R221	1-249-425-11	CARBON	4.7K	5%	1/4W	R495	1-247-862-11	CARBON	20K	5%		/4W (WR775)
R224	1-249-426-11		5.6K	5%	1/4W						·	
R225	1-249-421-11		2. 2K	5%	1/4W		•					
					.,	1						

Note

The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

1/4W

10 K

R226

1-249-429-11 CARBON

INCLUDING HX PRO(A), HX PRO(B), TRANSLATION(A), TRANSLATION(B), MPX, POWER SW

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R501	1-249-429-11		10K	į	% 1/4W	R538	1-247-874-11		62K	5%	1/4W (WR775)
R502	1-249-434-11		27K		% 1/4W	R538	1-249-437-11		47K	5%	1/4W (WR87ES)
R503	1-249-417-11		1 K		5% 1/4W		1 240 401 11	OMMOON	4110	070	17 411 (111101 20)
R504	1-249-429-11		10K		5% 1/4W	R539	1-247-864-11	CADDON	24K		5% 1/4W
R505	1-249-429-11		10K		5% 1/4W	R541	1-249-441-11		100K		
N 30 3	1-249-429-11	CARDON	101	,	170 17 411	1					5% 1/4W
						R542	1-249-417-11	CAKRON	1 K	,	5% 1/4W
R506	1-249-429-11		10 K		3% 1/4W	1					
R507	1-249-441-11	CARBON	100K	Ę	% 1/4W	R551	1-247-866-11	CARBON	30K	5%	1/4W (WR87ES)
						R551	1-249-440-11	CARBON	82K	5%	1/4W (WR775)
R521	1-247-866-11	CARBON	30K	5%	1/4W (WR87ES)						
R 5 2 1	1-249-440-11	CARBON	82K	5%	1/4W (WR775)	R552	1-249-435-11	CARBON	33K	5%	1/4W (WR87ES)
						R552	1-249-437-11		47K	5%	1/4W (WR775)
R522	1-247-866-11	CARRON	30K	5%	1/4W (WR87ES)	""	1 240 401 11	V/IIIDVIII	771	070	17 411 (111/11/17)
R522	1-247-870-11		43 K	5%	1/4W (WR775)	R553	1-247-885-00	CADDON	180K	E0/	1 / 414 (140 275)
11022	1-241-010-11	CANDON	401	J /0	1/48 (80113)	I				5%	1/4W (WR775)
2500	4 4 4 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0.4.00.0.11			4 / 444 (446 77 77 78	R553	1-247-890-11	CARBON	300K	5%	1/4W (WR87ES)
R523	1-247-884-11		160K	5%	1/4W (WR775)						
R523	1-247-890-11	CARBON	300K	5%	1/4W (WR87ES)	R554	1-247-888-11	CARBON	240K	5%	1/4W (WR87ES)
						R554	1-249-440-11	CARBON	82K	5%	1/4W (WR775)
R524	1-247-880-11	CARBON	110K	5%	1/4W (WR775)						
R524	1-247-889-00	CARBON	270K	5%	1/4W (WR87ES)	R555	1-249-435-11	CARBON	33K		5% 1/4W
										·	.,,
R525	1-249-435-11	CARRON	33K	ŗ	% 1/4W	R556	1-247-872-11	CARRON	51K	5%	1/4W (WR87ES)
11020		onnoon	***	`	77 17 711	R556	1-249-435-11		33K	5%	1/4W (WR775)
R526	1-247-868-11	CARRON	36K	5%	1/4W (WR775)	1000	1-243-455-11	CANDON	331	J 70	1/4W (WK113)
						DC C 2	1 0 17 000 00	0.4.00.0.11	4504		4 (((((((((((((((((((
R526	1-249-438-11	CARBUN	56K	5%	1/4W (WR87ES)	R557	1-247-883-00		150K	5%	1/4W (WR87ES)
0503		0.4.00.0.11	4544	FA.		R557	1-247-887-00	CARBON	220K	5%	1/4W (WR775)
R527	1-247-883-00		150K	5%	1/4W (WR87ES)						
R527	1-247-891-00	CARBON	330K	5%	1/4W (WR775)	R558	1-249-434-11	CARBON	27K	5%	1/4W (WR87ES)
						R558	1-249-436-11	CARBON	39K	5%	1/4W (WR775)
R528	1-247-868-11	CARBON	36K	5%	1/4W (WR775)						
R528	1-249-434-11	CARBON	27K	5%	1/4W (WR87ES)	R559	1-247-886-11	CARBON	200K	5%	1/4W (WR775)
					, (R559	1-247-890-11		300K	5%	1/4W (WR87ES)
R529	1-247-885-00	CARRON	180K	5%	1/4W (WR775)	"""	1 241 000 11	VAII DON	OOOK	070	17 411 (111101 20)
R529	1-247-889-00		270K	5%	1/4W (WR87ES)	R560	1-247-891-00	CADDON	330K	5%	1/4W (WR87ES)
11020	1 241 000 00	ONITOON	LIVIN	070	17 411 (111101 20)	R560					
R530	1-247-868-11	CADDOM	36K	5%	1/4W (WR87ES)	N 300	1-247-892-11	CARBON	360K	5%	1/4W (WR775)
R530	1-247-892-11					0504	1 047 070 44	AADDAN	1011	FA/	4 / 411 4115 515
N 3 3 U	1-241-092-11	CARDUN	360K	5%	1/4W (WR775)	R561	1-247-870-11		43K	5%	1/4W (WR775)
2544	4 4 4 7 4 7 4 4 4					R561	1-249-437-11	CARBON	47K	5%	1/4W (WR87ES)
R531	1-247-870-11		43 K	5%	1/4W (WR775)						
R531	1-249-437-11	CARBON	47K	5%	1/4W (WR87ES)	R562	1-247-872-11	CARBON	51K	5%	1/4W (WR87ES)
						R562	1-249-438-11	CARBON	56K	5%	1/4W (WR775)
R532	1-247-872-11	CARBON	51K	5%	1/4W (WR775)	1					
R532	1-249-438-11	CARBON	56K	5%	1/4W (WR87ES)	R563	1-247-883-00	CARBON	150K	5%	1/4W (WR775)
					,,	R563	1-249-441-11		100K	5%	1/4W (WR87ES)
R533	1-247-883-00	CARRON	150K	5%	1/4W (WR775)	"""	1 4TV 991 II	VARIOUR.	1001	J/0	1/411 (11101 [3)
R533	1-247-887-00		220K		1/4W (WR87ES)	DECA	1 040 407 44	AADDAN	47"	F0'	4 / 411 / 110 4 3 7 4 3
N 3 3 3	1-241-001-00	CARBON	2201	5%	1/4W (WK8/E3)	R564	1-249-437-11		47K	5%	1/4W (WR87ES)
DEA4	1 040 407 44	0.4.00.0.11	47.0	Fa:	4 / mi him camat	R564	1-249-438-11	CARBON	56K	5%	1/4W (WR775)
R534	1-249-437-11		47K	5%	1/4W (WR87ES)						
R534	1-249-438-11	CARBON	56K	5%	1/4W (WR775)	R565	1-247-882-11	CARBON	130K	5%	1/4W (WR87ES)
						R565	1-249-441-11	CARBON	100K	5%	1/4W (WR775)
R535	1-247-878-00		91K	5%	1/4W (WR775)	İ					
R535	1-247-882-11	CARBON	130K	5%	1/4W (WR87ES)	R566	1-247-872-11	CARBON	51K	5%	1/4W (WR87ES)
					•	R566	1-249-440-11		82K	5%	1/4W (WR775)
R536	1-247-872-11	CARBON	51K	5%	1/4W (WR87ES)		. 2.0 770 11	V. HOVH	0211	V/V	1/ 411 (811/19)
R536	1-247-878-00		91K	5%	1/4W (WR775)	R567	1-247-872-11	CARRON	51K	E0/	1/40 (00775)
		-/1110 4 11	VIII	U/U	./ TO (MILLIO)	R567	1-247-672-11			5% 5%	1/4W (WR775)
R537	1-247-872-11	CARRON	5 1 V	E0/	1/4W (WR775)	V201	1-243-431-11	UNROUN	47K	5%	1/4W (WR87ES)
R537	1-249-437-11		51K	5% 5%		1					
1001	1-243-431-11	UNDON	47K	5%	1/4W (WR87ES)						

INCLUDING HX PRO(A), HX PRO(B), TRANSLATION(A), TRANSLATION(B), MPX, POWER SW

Ref. No.	Part No.	Description			Remark 	Ref. No.	Part No.	Description			Remark
R568	1-247-874-11		62K	5%	1/4W (WR775)	R587	1-247-864-11		24K	5%	1/4W
R568	1-249-437-11		47K	5%	1/4W (WR87ES)	R591	1-249-409-11		220	5%	1/4W
		• • • • • • • • • • • • • • • • • • • •		• • • •	., (R594	1-249-441-11		100K	5%	1/4W
R569	1-247-880-11	CARRON	110K		5% 1/4W	R595	1-249-442-11		510	5%	1/4W
11003	1 247 000 11	OARBOR	1101		070 17 411	R598	1-249-441-11		100K	5%	1/4W
R570	1-247-868-11	CARBON	36K	5%	1/4W (WR775)	1		071115011	1001	070	17 411
R570	1-249-435-11		33K	5%	1/4W (WR87ES)	R599	1-249-417-11	CARBON	1 K	5%	1/4W
						R602	1-247-887-00	CARBON	220K	5%	1/4W
R571	1-247-874-11	CARBON	62K	5%	1/4W (WR775)	R603	1-249-425-11	CARBON	4.7K	5%	1/4W
R571	1-249-439-11	CARBON	68K	5%	1/4W (WR87ES)	R604	1-249-441-11	CARBON	100K	5%	1/4W
						R605	1-249-428-11	CARBON	8.2K	5%	1/4W
R572	1-247-864-11	CARBON	24K	5%	1/4W (WR87ES)						
R572	1-247-866-11	CARBON	30K	5%	1/4W (WR775)	R606	1-249-441-11		100K	5%	1/4W
						R607	1-249-417-11	CARBON	1 K	5%	1/4W
R573	1-247-868-11	CARBON	36K		5% 1/4W	R608	1-249-441-11	CARBON	100K	5%	1/4W
						R609	1-249-423-11	CARBON	3.3K	5%	1/4W
R574	1-247-860-11		16K	5%	1/4W (WR87ES)	R701	1-249-421-11	CARBON	2.2K	5%	1/4W
R574	1-249-432-11	CARBON	18K	5%	1/4W (WR775)						
						R702	1-249-421-11		2. 2K	5%	1/4W
R575	1-247-880-11		110K	5%	1/4W (WR775)	R703	1-247-856-00		11K	5%	1/4W
R575	1-247-881-00	CARBON	120K	5%	1/4W (WR87ES)	R704	1-249-428-11		8. 2 K	5%	1/4W
2570	4 4 4 7 4 4 4 4 4				4 4 1111 6 112 2 2 2 3	R705	1-249-425-11		4. 7K	5%	1/4W
R576	1-247-868-11		36K	5%	1/4W (WR775)	R706	1-249-429-11	CARBON	10 K	5%	1/4W
R576	1-249-435-11	CAKBON	33K	5%	1/4W (WR87ES)	0707	1 010 100 14	0.4.00.0.11			
DE77	1 040 400 11	CADDON	rev	Es/	4 / 401 Aun 77	R707	1-249-409-11		220	5%	1/4W
R577 R577	1-249-438-11		56K	5%	1/4W (WR775)	R708	1-249-420-11		1. 8K	5%	1/4W
1167	1-249-439-11	CARBUN	68K	5%	1/4W (WR87ES)	R709	1-249-426-11		5. 6 K	5%	1/4W
R578	1-247-874-11	CADDON	COV	E0/	1 / 411 (110 77 5)	R710	1-249-422-11		2. 7K	5%	1/4W
R578	1-249-433-11		62K 22K	5% 5%	1/4W (WR775)	R711	1-249-430-11	CARBUN	12K	5%	1/4W
W010	1-249-400-11	CARDON	221	370	1/4W (WR87ES)	0710	1 040 400 11	CADDON	101/	Γ0/	4.7.00
R579	1-247-872-11	CADOON	E 1 V	E0/	1 / 414 /140 0 7 5 6 1	R712	1-249-429-11		10K	5%	1/4W
R579			51K	5%	1/4W (WR87ES)	R713	1-249-409-11		220	5%	1/4W
1013	1-249-437-11	CARDON	47K	5%	1/4W (WR775)	R714	1-249-429-11		10K	5%	1/4W
R580	1-247-866-11	CADDON	30K	5%	1 / 414 /410 0 7 5 0 \	R715	1-249-429-11		10K	5%	1/4W
R580	1-249-436-11		39K	5%	1/4W (WR87ES) 1/4W (WR775)	R721	1-249-437-11	CARBUN	47 K	5%	1/4W
11000	1 243 400 11	OKROON	USK	370	17411 (111/113)	R801	1-249-434-11	CADRON	27K	5%	1/4W
R581	1-247-880-11	CARRON	110K	5%	1/4W (WR87ES)	R802	1-249-434-11		27K		'4W (WR87ES)
R581	1-247-881-00		120K		1/4W (WR775)	R803	1-249-434-11		27K		'4W (WR87ES)
		· · · · · · · · · · · · · · · · · · ·	1201	070	17 411 (1111117)	R804	1-249-434-11		27K	5%	1/4W
R582	1-247-866-11	CARBON	30K	5%	1/4W (WR87ES)	R805	1-247-895-00		470K	5%	1/4W
R582	1-247-872-11		51K	5%	1/4W (WR775)	1	1 2 41 000 00	VIII DOIL	7101	070	1/ 411
					, Ç v	R806	1-247-895-00	CARBON	470K	5%	1/4W
R583	1-247-870-11	CARBON	43 K	5%	1/4W (WR775)	R807	1-247-895-00		470K	5%	1/4W
R583	1-249-439-11		68K	5%	1/4W (WR87ES)	R808	1-247-895-00		470K	5%	1/4W
						R809	1-249-425-11		4. 7K	5%	1/4W
R584	1-249-431-11		15K	5%	1/4W (WR87ES)	R810	1-247-862-11		20K	5%	1/4W
R584	1-249-433-11	CARBON	22K	5%	1/4W (WR775)						•
						R811	1-249-425-11	CARBON	4.7K	5%	1/4W
R585	1-247-872-11		51K	5%	1/4W (WR87ES)	R812	1-247-862-11		20 K	5%	1/4W
R585	1-249-438-11	CARBON	56K	5%	1/4W (WR775)	R813	1-249-437-11		47K	5%	1/4W
0500	4 447 444	0.1.00.011				R814	1-247-866-11		30K	5%	1/4W
R586	1-247-868-11		36K	5%	1/4W (WR775)	R815	1-249-434-11	CARBON	27K	5%	1/4W
R586	1-249-434-11	CAKBON	27K	5%	1/4W (WR87ES)	Doi:					
						R816	1-247-872-11		51K	5%	1/4W
						R818	1-247-872-11		51K	5%	1/4W
						R819	1-249-405-11		100	5%	1/4W
						R820	1-249-437-11	CARBON	47K	5%	1/4W

INCLUDING HX PRO(A), HX PRO(B), TRANSLATION(A), TRANSLATION(B), MPX, POWER SW

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description	Remark
R821	1-247-866-11	CARBON	30K		5% 1/4W	R0491	1-249-428-11		
R822	1-249-434-11		27K		5% 1/4W	R0491	1-249-430-11		5% 1/4W (WR775)
R823	1-247-872-11		51K		5% 1/4W	110401	1 243 400 11	OARDON 12K	576 1748 (MATTS)
R825	1-249-405-11		100		5% 1/4W	R0492	1-247-883-00	CAPPON 150V	EO/ 1/AU /UD775\
R826	1-247-872-11		51K		5% 1/4W				5% 1/4W (WR775)
11020	1-241-012-11	CANDON	JIK		0/6 1/411	R0492	1-247-884-11	CARBON 160K	5% 1/4W (WR87ES)
R827	1-249-441-11	CARBON	100K		5% 1/4W	R0493 ⚠	1-212-857-00	FUSIBLE 10	5% 1/4W F
R828	1-249-429-11	CARBON	10 K		5% 1/4W				7,7 1, 4,11
R829	1-249-429-11		10K		5% 1/4W	R0494	1-249-431-11	CARBON 15K	5% 1/4W (WR775)
R830	1-249-429-11		10K		5% 1/4W	R0494	1-249-432-11		
R831	1-249-429-11		10K		5% 1/4W	N0494	1-249-432-11	CARBON 18K	5% 1/4W (WR87ES)
1001	1-243-423-11	CARDON	101		3/6 1/4W	DO 105	1 0 13 05 1 44	0.1770.11	
D000	1 040 447 44	0.4.00.0.1/	4.14		PA 4 / 4111	R0495	1-247-854-11		
R832	1-249-417-11		1 K		5% 1/4W	R0495	1-247-862-11	CARBON 20K	5% 1/4W (WR775)
R833	1-249-438-11	CARBON	56K		5% 1/4W				
	o Carlo Con Con							< VARIABLE RESISTOR >	
R858	1-247-862-11		20 K	5%	1/4W (WR775)				
R858	1-249-432-11	CARBON	18K	5%	1/4W (WR87ES)	RV121	1-238-600-11	RES, ADJ, CARBON 10K	
					,	RV122	1-238-600-11	RES, ADJ, CARBON 10K	
R859	1-247-866-11	CARBON	30K	-5%	1/4W (WR87ES)	RV221		RES, ADJ, CARBON 10K	
R859	1-249-437-11		47K	5%	1/4W (WR775)	RV222		RES. ADJ. CARBON 10K	
				• • • • • • • • • • • • • • • • • • • •	., (,	RV391		RES, ADJ. CARBON 22K	
R860	1-247-858-11	CARRON	13K	5%	1/4W (WR775)	RV491		RES. ADJ. CARBON 22K	
R860	1-249-429-11		10K	5%	1/4W (WR87ES)	114431	1-200-340-11	NES, ADS, CARBON ZZK	
11000	1 243 423 11	ONIDON	101	J /4	1744 (4101123)	DVE01	1 000 050 11	DEC MAD CARRON FOR /	T A V
R862	1-247-862-11	CADDON	20K	5%	1/400 (00775)	RV501	1-230-933-11	RES, VAR, CARBON 50K/S	
R862					1/4W (WR775)	DVCAA	4 044 400 44		ANCE) (WR87ES)
NOUZ	1-249-428-11	CARBON	8. 2 K	5%	1/4W (WR87ES)	RV502	1-241-133-11	RES, VAR, CARBON 50K/5	
0.000	1 0 10 107 11							(REC LE	EVEL) (WR87ES)
R863	1-249-437-11		47K	5%	1/4W (WR775)				
R863	1-249-446-11	CARBON	4. 3K	5%	1/4W (WR87ES)	RV503	1-238-085-11	RES. VAR. CARBON 20K/2	
								(PHONE LE	EVEL) (WR87ES)
R864	1-247-858-11		13K	5%	1/4W (WR775)	RV0391	1-238-548-11	RES, ADJ, CARBON 22K	
R865	1-247-852-11	CARBON	7.5K	5%	1/4W (WR87ES)	RV0491	1-238-548-11	RES. ADJ. CARBON 22K	
R868	1-249-429-11	CARBON	10K		5% 1/4W			< SWITCH >	
R869	1-249-429-11	CARBON	10K		5% 1/4W				
R870	1-249-429-11	CARBON	10K		5% 1/4W	\$501	1-571-083-11	SWITCH, SLIDE (POWER)	(WR87ES)
R874	1-247-903-00	CARBON	1M		5% 1/4W	\$701 A		SWITCH, PUSH (1 KEY) (P	
R891	1-249-429-11	CARBON	10K		5% 1/4W			, , , , , , , , , , , , , , , , , , ,	VIII)
					,			< TRANSFORMER >	
R892	1-249-429-11	CARBON	10K		5% 1/4W			THATO! OTHER!	
R893	1-249-415-11		680		5% 1/4W	T391	1-433-335-11	TRANSFORMER, BIAS OSSO	TILATION (MD07EC)
R894	1-249-415-11		680		5% 1/4W	1391		TRANSFORMER, BIAS OSSO	
11 V V T	. 210 710 11	VALUE OF THE PARTY	000		V/0 1/ 711	4031	1-400-001-11	INAMOTURMEN, DIAG 0556	TENTION (MK1/2)
R0391	1-249-428-11	CARRON	8. 2K	50/	1/4W (WR87ES)	T401	1 400 005 11	TRANSFARMER RIAG ARGA	11.47.00 Augones
R0391	1-249-430-11					T491		TRANSFORMER, BIAS OSSO	
10031	1-249-430-11	CARDON	12K	5%	1/4W (WR775)	T491	1-433-367-11	TRANSFORMER, BIAS OSSO	CILATION (WR775)
DASAS	1 047 000 00	AADDAN	1504	ra/	4 (400 4000337)	T0004			
R0392	1-247-883-00			5%	1/4W (WR775)	T0391	1-433-335-11	TRANSFORMER, BIAS OSSO	CILATION (WR87ES)
R0392	1-247-884-11	CARBUN	160K	5%	1/4W (WR87ES)	T0391	1-433-367-11	TRANSFORMER, BIAS OSSO	CILATION (WR775)
00000 *	1 010 053 66	FUOLDIE	4.0		FAV. 4 / 1011 -				
R0393 ⚠	1-212-857-00	FUSIBLE	10		5% 1/4W F	T0491	1-433-335-11	TRANSFORMER, BIAS OSSO	CILATION (WR87ES)
						T0491	1-433-367-11	TRANSFORMER, BIAS OSSO	CILATION (WR775)
R0394	1-249-431-11		15K	5%	1/4W (WR775)				
R0394	1-249-432-11	CARBON	18K	5%	1/4W (WR87ES)		-	< TEST PIN >	
R0395	1-247-854-11	CARBON	9.1K	5%	1/4W (WR87ES)	TP1 *	1-564-505-11	PLUG, CONNECTOR 2P	
R0395	1-247-862-11	CARBON	20K	5%	1/4W (WR775)			PLUG, CONNECTOR 3P	
	65 0.0							PLUG, CONNECTOR 5P	
								PLUG, CONNECTOR 5P	
					'	T	. 007 020 11	. LOO, CONNECTOR OF	

Note:
The components identified by mark or dotted line with mark Replace only with part number specified.

Note:

Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spéci-fié.

INCLUDING HX PRO(A), HX PRO(B), TRANSLATION(A), TRANSLATION(B), MPX, POWER SW

Ref. No.	Part No.	Description	Remark
		< CERAMIC >	
(801	1-577-358-2	1 VIBRATOR. CERAMIC (4MHz)	
*****	******	**********	******
		MISCELLANEOUS	

		X CORD, POWER (WR775)	
		O CORD, POWER (WR87ES)	
76 *	1-5/5-84/-1	WIRE, FLAT TYPE (5 CORE)	
70 4	1 575 040 1	1 WIRE, FLAT TYPE (7 CORE) 1 WIRE, FLAT TYPE (5 CORE)	
70 4	1-5/5-046-1	1 WIRE, FLAT TYPE (3 CORE)	
80	1-534-517-0	1 WIRE, FLAT TYPE (15 CORE) D WIRE, FLAT TYPE (11 CORE)	
		1 WIRE, FLAT TYPE (7 CORE)	
82 *	1-575-850-1	1 WIRE, FLAT TYPE (9 CORE)	
83 *	1-575-781-7	1 WIRE, FLAT TYPE (9 CORE)	
136 *	1-575-847-1	1 WIRE, FLAT TYPE (5 CORE)	
137 *	1-575-851-1	1 WIRE, FLAT TYPE (7 CORE)	
138 🛊	1-575-848-1	1 WIRE, FLAT TYPE (5 CORE)	
139	1-575-853-1	1 WIRE, FLAT TYPE (15 CORE)	
140	1-534-517-0	O WIRE, FLAT TYPE (11 CORE)	
141 4	1-575-780-1	O WIRE, FLAT TYPE (11 CORE) 1 WIRE, FLAT TYPE (7 CORE) 1 WIRE, FLAT TYPE (9 CORE)	
	, ,		
143 *	1-313-181-1	1 WIRE, FLAT TYPE (9 CORE)	
F701 A	1-532-742-1	1 FUSE, GLASS TUBE (1.6A/125V) 1 FUSE, GLASS TUBE (1.6A/125V)	
F702 <u>∕</u>	1-532-742-1	1 FUSE, GLASS TUBE (1.6A/125V)	
HRPE101	A-2003-420-	A BASE ASSY, HEAD (REC/PB/ERASE	(WR87ES)
		A BASE ASSY, HEAD (REC/PB/ERASE	(WK175)
M1		1 MOTOR ASSY (CAPSTAN)	
M2 S87		A MOTOR ASSY (REEL) 1 SWITCH, LEAF (DIRECTION)	
		1 TRANSFORMER. POWER	
******	******	**********	*******
		RY & PACKING MATERIAL	
	*****	******	
		1 CORD, CONNECTION	
		1 INDIVIDUAL CARTON	
		1 INDIVIDUAL CARTON (WR87ES)	
,	k 3-359-942-0		
		1 INSTRUCTION (WR87ES/WR775:US) 1 SHEET (STANDARD), PROTECTION	
,		1 MANUAL, INSTRUCTION (ENGLISH)	(WR 87 F S)
		1 MANUAL, INSTRUCTION (ENGLISH)	
		1 MANUAL, INSTRUCTION	
		(WR775:Canadia	n. FRENCH)

Ref. No. Part No. Description Remark

HARDWARE LIST

#		7-682-548-09 SCRE 7-621-849-00 SCRE	
#		7-685-646-79 SCRE	
#	4	7-682-547-04 SCRE	W +BVTT 3X6 (S)
#	5	7-682-547-09 SCRE	W +BVTT 3X6 (S)
#	6	7-621-775-10 SCRE	W +B 2.6X4 (WR87ES)
ш	7	7 001 770 05 0005	W + DVITT O CVC (D)
#		7-621-773-95 SCRE	(0)
#	8	7-685-534-19 SCRE	W +BTP 2.6X8 TYPE2 N-S (WR87ES)
#	9	7-621-770-67 SCRE	W +BVTT 2.6X6 (S) (WR87ES)
# 1	10	7-627-556-08 SCRE	W +P 2.6X2.8
#	11	7-621-775-00 SCRE	₩ +B 2.6X3
#	12	7-621-773-93 SCRE	W (PANEL 2.6 TP2) (WR775)

The components identified by mark or dotted line with mark recritical for safety.

Replace only with part number specified.

fié.

Les composants identifiés par une marque \(\frac{1}{N} \) sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spéci-

TC-WR87ES/WR775

SONY_® SERVICE MANUAL

US Model Canadian Model TC-WR775

US Model

TC-WR87ES

CORRECTION-1

File this correction with the service manual.

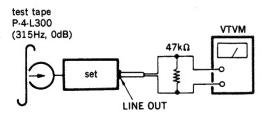


1. SECTION 4 ELECTRICAL ADJUSTMENTS (Service Manual Page 9.)

Playback Level Adjustment DECK A

DECK B

-Forward Playback Mode-



Adjust each RV11 (L-CH) and RV21 (R-CH) so that the VTVM reading becomes within adjustment limits below on both of deck A and deck B.

Adjustment Limits:



LINE OUT level: -5 ± 0.5 dB(0.412 to 0.461V) Level difference between channels: within 0.5dB

Confirm the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

Adjustment Location: MD(C) board (deck A, deck B) (See page 10)

3. SECTION 7 ELECTRICAL PARTS LIST (Service Manual Page 40.)

Ref. No	o. Part No.	Description	n		Remark		
0701	0 700 000 07	TRANSICTOR	1001001 1				
0701	8-729-906-97						
0702	8-729-620-05	TRANSISTOR	2\$C2603-EF		-		
0703	8-729-821-04	TRANSISTOR	2SA1317-ST	U			
0704	8-729-924-90	TRANSISTOR	2SB1370-EF				
0705	8-729-924-90	TRANSISTOR	2\$B1370-EF				
0706	8-729-900-85						
Q707	8-729-906-97	TRANSISTOR	2SD2061-F	1	•	0	4
				:		Corpor	
					Αι	idio Grou	ıp

2. SECTION 5 DIAGRAMS Service Manual Page 20. (Location $G\sim J-8\sim 10$)

